

## Rabbit MXRA8 Polyclonal Antibody | anti-MXRA8 antibody

MXRA8 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY         | APPLICATIONS                                                                                      |
|-----------|--------|--------------------|---------------------------------------------------------------------------------------------------|
| AAA291827 | Rabbit | Rat, Pig, Dog, Cow | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

MXRA8; Polyclonal Antibody; MXRA8 Polyclonal Antibody; Matrix remodeling-associated protein 8; Limitrin; anti-MXRA8 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Rat, Pig, Dog, Cow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                     | 0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-MXRA8 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function                                        | Transmembrane protein which can modulate activity of various signaling pathways, probably via binding to integrin ITGAV:ITGB3 (PubMed: , PubMed: ). Mediates heterophilic cell-cell interactions in vitro (By similarity). Inhibits osteoclastogenesis downstream of TNFSF11/RANKL and CSF1, where it may function by attenuating signaling via integrin ITGB3 and MAP kinase p38 (By similarity). Plays a role in cartilage formation where it promotes proliferation and maturation of growth plate chondrocytes (By similarity). Stimulates formation of primary cilia in chondrocytes (By similarity). Enhances expression of genes involved in the hedgehog signaling pathway in chondrocytes, including the hedgehog signaling molecule IHH; may also promote signaling via the PTHLH/PTHrP pathway (By similarity). Plays a role in angiogenesis where it suppresses migration of endothelial cells and also promotes their apoptosis (PubMed:23386276). Inhibits VEGF-induced activation of AKT and p38 MAP kinase in endothelial cells (PubMed:23386276). Also inhibits VTN (vitronectin)-mediated integrin ITGAV:ITGB3 signaling and activation of PTK2/FAK (PubMed:23386276). May play a role in the maturation and maintenance of the blood-brain barrier (By similarity). |
| Cellular Location                               | Cell membrane; Single-pass type I membrane protein. Cell junction, tight junction {ECO:0000250 UniProtKB:Q9DBV4}. Cytoplasm {ECO:0000250 UniProtKB:Q9DBV4}. Cell projection, cilium membrane {ECO:0000250 UniProtKB:Q9DBV4}. Nucleus Note=Primarily localizes to the cell membrane (PubMed:23386276) Detected in the cilium of primary chondrocytes (By similarity). Highly expressed at areas of cell-cell contact and may localize to tight junctions (By similarity). Also found in the nucleus where it is detected in the soluble (as opposed to chromatin-bound) fraction (PubMed:23386276). {ECO:0000250 UniProtKB:Q9DBV4, ECO:0000269 PubMed:23386276}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tissue Location                                 | Detected in endothelial cells in mammary tissue, in both large vessels (left internal mammary artery) and small capillaries (vasa vasorum of the adventitia).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

IMAGES



**WB (Western Blot)**  
Sample:Ovary (Mouse) Lysate at 40 ugMCF-7(Human) Cell Lysate at 30 ugMD-MB-231(Human) Cell Lysate at 30 ugPrimary: Anti-MXRA8 (bs-19118R) at 1/300 dilutionSecondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilutionPredicted band size: 47 kD  
Observed band size: 47 kD

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 14150145                                         |
| NCBI GeneID                      | 54587                                            |
| NCBI Accession #                 | NP_115724.1                                      |
| NCBI GenBank Nucleotide #        | NM_032348.2                                      |
| UniProt Accession #              | Q9BRK3; Q5TA39; Q96KC3                           |
| Molecular Weight                 | 49,132                                           |
| NCBI Official Full Name          | matrix-remodeling-associated protein 8           |
| NCBI Official Synonym Full Names | matrix-remodelling associated 8                  |
| NCBI Official Symbol             | MXRA8                                            |
| NCBI Protein Information         | matrix-remodeling-associated protein 8; limitrin |
| UniProt Protein Name             | Matrix-remodeling-associated protein 8           |
| UniProt Gene Name                | MXRA8                                            |
| UniProt Entry Name               | MXRA8_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mxra8-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-immunohistochemistry-western-blot-elisa/291827>