

## Rabbit XEDAR Polyclonal Antibody | anti-XEDAR antibody

RABBIT ANTI HUMAN XEDAR

|                              |                       |                                     |
|------------------------------|-----------------------|-------------------------------------|
| CATALOG #<br><b>AAA49930</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|-----------------------|-------------------------------------|

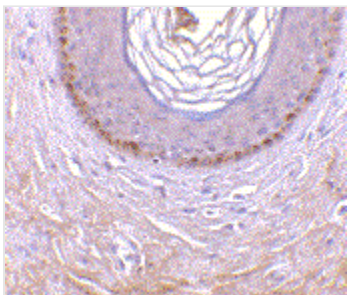
### PRODUCT SYNONYMS

XEDAR; Polyclonal Antibody; RABBIT ANTI HUMAN XEDAR; anti-XEDAR antibody

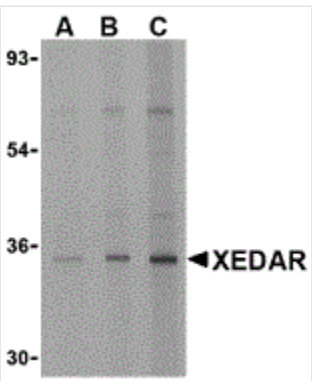
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity                                     | <p>This item detects human X-linked ectodermal dysplasia receptor (XEDAR), a 33kD type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily. XEDAR is a homologue of the ectodermal dysplasia receptor (EDAR), and binds to an isoform of ectodysplasin termed EDA-A2. Binding of ectodysplasin to XEDAR results in the induction of apoptosis, and is thought to be involved ectodermal organ development. New evidence suggests XEDAR may also be involved in skeletal muscle development.</p> <p>Two predominant isoforms of XEDAR exist; XEDAR-s and XEDAR-L, produced by alternative splicing.</p> |
| Form/Format                                     | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration                                   | IgG concentration 1.0mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                 | 297                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-XEDAR antibody | WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Perservative Stabilisers                        | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                       | Recombinant human XEDAR.<br>Buffer Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Antiserum Preparation                           | Antisera to XEDAR were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                         | <p>Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> <p>Shelf Life: 18 months from date of despatch.</p>                                                                                                                                                                                                                                                             |

IMAGES



**Application Data**  
Immunohistochemical staining of human skin with Rabbit anti Human XEDAR (AAA49930)



**Application Data**  
Western blot analysis of whole cell lysates from HEH293 human epithelial kidney cells probed with Rabbit anti Human XEDAR (AAA49930) at 0.5(A), 1(B) and 2(C)

ADDITIONAL INFORMATION

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|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-XEDAR antibody | MBS221471 detects human X-linked ectodermal dysplasia receptor (XEDAR), a 33kD type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily. XEDAR is a homologue of the ectodermal dysplasia receptor (EDAR), and binds to an isoform of ectodysplasin termed EDA-A2. Binding of ectodysplasin to XEDAR results in the induction of apoptosis, and is thought to be involved ectodermal organ development. New evidence suggests XEDAR may also be involved in skeletal muscle development. Two predominant isoforms of XEDAR exist; XEDAR-s and XEDAR-L, produced by alternative splicing. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 314122209                                                                                                                                                          |
| NCBI GeneID                      | 60401                                                                                                                                                              |
| NCBI Accession #                 | NP_001186616.1                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001199687.2                                                                                                                                                     |
| UniProt Accession #              | Q9HAV5; Q5VYX9; Q5VYY0; Q6UWM2; Q8IZA6                                                                                                                             |
| Molecular Weight                 | 32,959 Da                                                                                                                                                          |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 27 isoform 1                                                                                                     |
| NCBI Official Synonym Full Names | ectodysplasin A2 receptor                                                                                                                                          |
| NCBI Official Symbol             | EDA2R                                                                                                                                                              |
| NCBI Official Synonym Symbols    | XEDAR; EDAA2R; EDA-A2R; TNFRSF27                                                                                                                                   |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 27; EDA-A2 receptor; X-linked ectodysplasin-A2 receptor; tumor necrosis factor receptor superfamily member XEDAR |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 27                                                                                                               |
| UniProt Gene Name                | EDA2R                                                                                                                                                              |
| UniProt Synonym Gene Names       | TNFRSF27; XEDAR; EDA-A2 receptor                                                                                                                                   |
| UniProt Entry Name               | TNR27_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.