

## Rabbit EDG8 Polyclonal Antibody | anti-S1PR5 antibody

EDG8 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                       | APPLICATIONS                       |
|-----------|--------|----------------------------------|------------------------------------|
| AAA199156 | Rabbit | Cow, Dog, Human, Mouse, Pig, Rat | Western Blot, Immunohistochemistry |

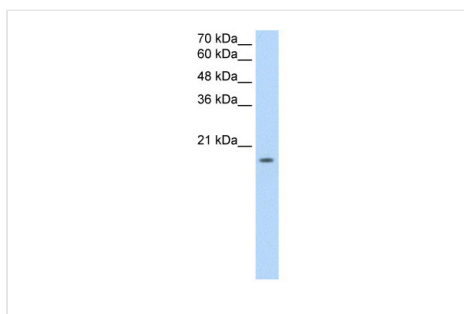
### PRODUCT SYNONYMS

EDG8; Polyclonal Antibody; EDG8 antibody - N-terminal region; anti-S1PR5 antibody

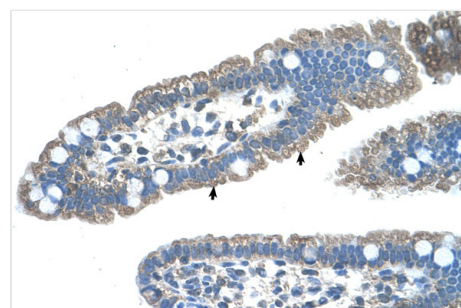
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Human, Mouse, Pig, Rat                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Protein A purified                                                                                                                                    |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: ME SGLLRPAPVS EVVLHNYT GKLRGARYQP GAGLRADAVV CLAVCAFI                                                    |
| Sequence Length                                 | 147                                                                                                                                                   |
| Applicable Applications for anti-S1PR5 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                        | Cow: 80%; Dog: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%                                                                                   |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the N terminal region of human EDG8                                                             |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-EDG8 Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate


**IHC (Immunohistochemistry)**

Human Intestine

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-S1PR5 antibody | <p>This is a rabbit polyclonal antibody against EDG8. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: EDG8 is a receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. It is coupled to both the G(i/o)alpha and G(12) subclass of heteromeric G-proteins (By similarity). It may play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms.</p> |
| Product Categories/Family for anti-S1PR5 antibody   | Polyclonal; Neuroscience; E3 & Ubiquitin; Immunohistochemistry; Receptors; GPCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 119604521                                                                              |
| NCBI GeneID                      | 53637                                                                                  |
| NCBI Accession #                 | EAW84115                                                                               |
| NCBI GenBank Nucleotide #        | NM_003339                                                                              |
| UniProt Accession #              | Q9H228                                                                                 |
| Molecular Weight                 | 16kDa                                                                                  |
| NCBI Official Full Name          | endothelial differentiation, sphingolipid G-protein-coupled receptor, 8, isoform CRA_c |
| NCBI Official Synonym Full Names | sphingosine-1-phosphate receptor 5                                                     |
| NCBI Official Symbol             | S1PR5                                                                                  |
| NCBI Official Synonym Symbols    | EDG8; S1P5; Edg-8; SPPR-1; SPPR-2                                                      |
| NCBI Protein Information         | sphingosine 1-phosphate receptor 5                                                     |
| UniProt Protein Name             | Sphingosine 1-phosphate receptor 5                                                     |
| UniProt Gene Name                | S1PR5                                                                                  |
| UniProt Synonym Gene Names       | EDG8; S1P receptor 5; S1P5; S1P receptor Edg-8                                         |
| UniProt Entry Name               | S1PR5_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.

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