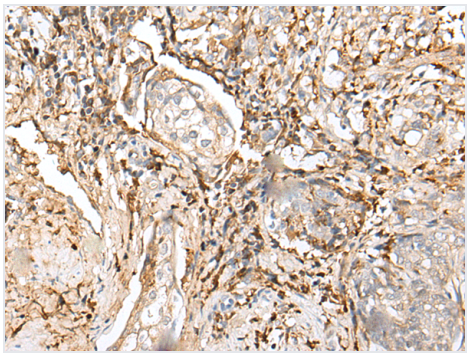
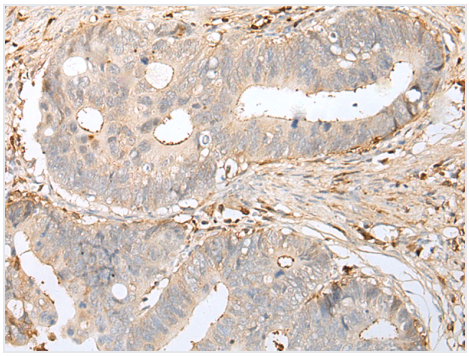
# EFNA4 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | EFNA4, Polyclonal Antibody |
| **Full Product Name** | EFNA4 Polyclonal Antibody |
| **Product Gene Name** | anti-EFNA4 antibody |
| **Product Synonym Names** | EFL 4; EFL4; EFN A4; EFNA 4; EFNA4; EFNA4; Eph related receptor tyrosine kinase ligand 4; EPH-related receptor tyrosine kinase ligand 4; Ephrin-A4; EphrinA4; EPLG 4; EPLG4; LERK 4; LERK-4; LERK4; Ligand of Eph related kinase 4; MGC125826 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | PBS with 0.05% NaN3 and 40% Glycerol, pH7.4 |
| **Purity/Purification** | Antigen Affinity Purification |
| **Concentration** | 1mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |
| **OMIM** | 601380 |
| **3D Structure** | ModBase 3D Structure for P52798 |
| **Immunogen** | Synthetic peptide of human EFNA4 |
| **Conjugation** | Unconjugated |
| **Product Categories/Family for anti-EFNA4 antibody** | Cardiovascular; Developmental Biology; Neuroscience |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-EFNA4 antibody** | Immunohistochemistry (IHC), ELISA (EIA) |
| **Application Notes for anti-EFNA4 antibody** | IHC: 1:25-1:100<br>ELISA: 1:5000-1:10000 |
| **Related Product Information for anti-EFNA4 antibody** | This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin. Three transcript variants that encode distinct proteins have been identified. |
| **Other Notes** | Small volumes of anti-EFNA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for EFNA4 purchase** | MBS2561337 is an antibody targeting EFNA4. Also known as EFNA4 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit. |



**Immunohistochemistry (IHC) of anti-EFNA4 antibody**
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using EFNA4 Polyclonal Antibody at dilution of 1:25(×200)



**Immunohistochemistry (IHC) of anti-EFNA4 antibody**
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using EFNA4 Polyclonal Antibody at dilution of 1:25(×200)

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNA4. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 4885197 |
| **NCBI GeneID** | 1945 |
| **NCBI Accession #** | NP_005218.1 |
| **UniProt Primary Accession #** | P52798 |
| **UniProt Related Accession #** | P52798 |
| **GenBank Nucleotide #** | NP_005218.1 |
| **NCBI Official Full Name** | ephrin-A4 isoform a |
| **NCBI Official Synonym Full Names** | ephrin A4 |
| **NCBI Official Symbol** | EFNA4 |
| **NCBI Official Synonym Symbols** | EFL4; EPLG4; LERK4 |
| **UniProt Protein Name** | Ephrin-A4 |
| **UniProt Synonym Protein Names** | EPH-related receptor tyrosine kinase ligand 4 |
| **Protein Family** | Ephrin |
| **UniProt Gene Name** | EFNA4 |
| **UniProt Synonym Gene Names** | EPLG4; LERK4; LERK-4 |
| **UniProt Entry Name** | EFNA4_HUMAN |
| **NCBI Protein Information** | ephrin-A4 |

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| **UniProt Comments for EFNA4** | EFNA4: Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. May play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils. Belongs to the ephrin family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Membrane protein, GPI anchor; Ligand, receptor tyrosine kinase<br><br>Chromosomal Location of Human Ortholog: 1q21-q22<br><br>Cellular Component: integral to plasma membrane; plasma membrane; extracellular region<br><br>Molecular Function: protein binding; transmembrane-ephrin receptor activity; ephrin receptor binding<br><br>Biological Process: axon guidance; cell-cell signaling; ephrin receptor signaling pathway; osteoclast differentiation; bone remodeling |
| **Research Articles on EFNA4** | **1.** Study present for the first time in vitro and in vivo evidence suggesting that the major role of two ephrin A4 isoforms in chronic lymphocytic leukemia could be related with a non-previously described mechanism of survival linked to extravasation strongly dependent on integrin signaling. |
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