

Rabbit anti-Human, Mouse EFNB2 Polyclonal Antibody | anti-EFNB2 antibody

EFNB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119779	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

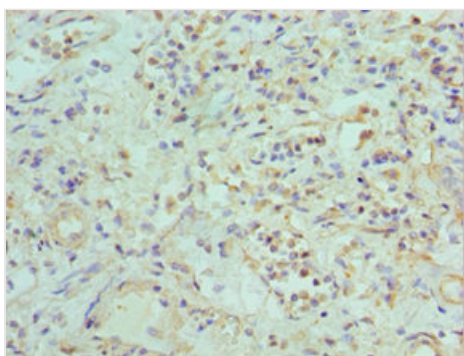
PRODUCT SYNONYMS

EFNB2; Polyclonal Antibody; EFNB2 Antibody; EPH-related receptor tyrosine kinase ligand 5; LERK-5; HTK ligand; HTK-L; EPLG5; HTKL; LERK5; anti-EFNB2 antibody

PRODUCT SPECIFICATIONS

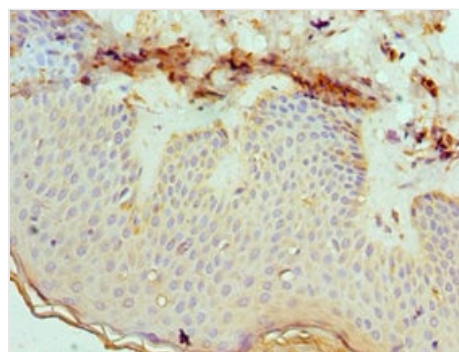
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	333
Applicable Applications for anti-EFNB2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Ephrin-B2 protein(28-229aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-19227 / sc-1010 / sc-15397
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



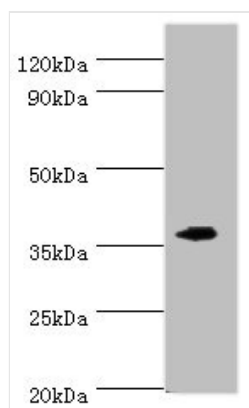
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119779 at dilution 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human skin using AAA119779 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: EFNB2 antibody at 6ug/ml+mouse kidney tissueSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 37kDaObserved band size: 37kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EFNB2 antibody

Cell surface transmembrane 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. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds to receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells. May play a role in constraining the orientation of longitudinally projecting axons.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758250
NCBI GeneID	1948
NCBI Accession #	NP_004084.1
NCBI GenBank Nucleotide #	NM_004093.3
UniProt Accession #	P52799 ; Q5JV56
Molecular Weight	36,923 Da
NCBI Official Full Name	ephrin-B2
NCBI Official Synonym Full Names	ephrin-B2
NCBI Official Symbol	EFNB2
NCBI Official Synonym Symbols	HTKL; EPLG5; Htk-L; LERK5
NCBI Protein Information	ephrin-B2
UniProt Protein Name	Ephrin-B2
UniProt Gene Name	EFNB2
UniProt Synonym Gene Names	EPLG5; HTKL; LERK5; LERK-5; HTK-L
UniProt Entry Name	EFNB2_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.

