

Mouse anti-Human EphB2 Monoclonal Antibody | anti-EphB2 antibody

EphB2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320052	Mouse	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

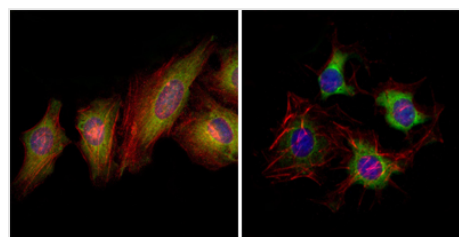
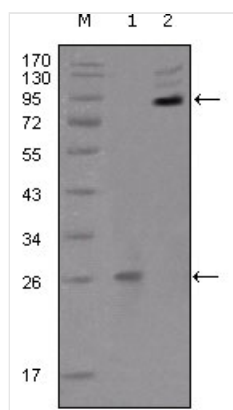
PRODUCT SYNONYMS

EphB2; Monoclonal Antibody; EphB2 Monoclonal Antibody; Ephrin type-B receptor 2; EPHB2; DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; EK5; hEK5; Renal carcinoma antigen NY-REN-47; anti-EphB2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	EphB2 Monoclonal Antibody detects endogenous levels of EphB2 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-EphB2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of EphB2 (aa17-200) expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)

Western Blot analysis using EphB2 Monoclonal Antibody against truncated EphB2 recombinant protein (1) and extracellular EphB2(aa19-476)-hIgGfC transfected CHO-K1 cell lysate(2).

IF (Immunofluorescence)

Immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using EphB2 Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

ADDITIONAL INFORMATION

Related Product Information for anti-EphB2 antibody	This gene encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors are composed of an N-terminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. They bind ligands called ephrins and are involved in diverse cellular processes including motility, division, and differentiation. A distinguishing characteristic of Eph-ephrin signaling is that both receptors and ligands are competent to transduce a signaling cascade, resulting in bidirectional signaling. This protein belongs to a subgroup of the Eph receptors called EphB. Proteins of this subgroup are distinguished from other members of the family by sequence homology and preferential binding affinity for membrane-bound ephrin-B ligands. Allelic variants are associated with prostate and brain cancer susceptibility. Alternative splicing results in multiple tr
Product Categories/Family for anti-EphB2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21396504
NCBI GeneID	2048
NCBI Accession #	NP_004433.2
NCBI GenBank Nucleotide #	NM_004442.6
UniProt Accession #	P29323; O43477; Q5T0U6; Q5T0U7; Q5T0U8
Molecular Weight	117,493 Da
NCBI Official Full Name	ephrin type-B receptor 2 isoform 2
NCBI Official Synonym Full Names	EPH receptor B2
NCBI Official Symbol	EPHB2
NCBI Official Synonym Symbols	DRT; EK5; ERK; CAPB; Hek5; PCBC; EPHT3; Tyro5
NCBI Protein Information	ephrin type-B receptor 2; EPH-like kinase 5; eph tyrosine kinase 3; elk-related tyrosine kinase; protein-tyrosine kinase HEK5; tyrosine-protein kinase TYRO5; renal carcinoma antigen NY-REN-47; tyrosine-protein kinase receptor EPH-3; developmentally-regula
UniProt Protein Name	Ephrin type-B receptor 2
UniProt Gene Name	EPHB2
UniProt Synonym Gene Names	DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; EK5; hEK5
UniProt Entry Name	EPHB2_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.