

Mouse anti-Human, Mouse EphA2 Monoclonal Antibody | anti-EphA2 antibody

EphA2 antibody

CATALOG # AAA48031	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

EphA2; Monoclonal Antibody; EphA2 antibody; Ephrin receptor EphA2; epoxide hydrolase 1 microsomal (xenobiotic);; anti-EphA2 antibody

PRODUCT SPECIFICATIONS

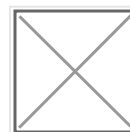
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	3D7
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	976
Applicable Applications for anti-EphA2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human EphA2 (559-976aa) purified from E. coli
Clone Note	Anti-human EphA2 mAb, clone 3D7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EphA2 protein.
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C Avoid repeated freezing and thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Paraffin embedded sections of human colon and gastric cancer tissue were incubated with anti-human EphA2 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)

The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EphA2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: EphA2 extracellular domain transfected 293T cell lysate Lane 3.: EphA2 cytoplasmic domain transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-EphA2 antibody	The Eph family of receptors is the largest known subfamily of receptor tyrosine kinases (RTk). Eph RTks and their ligands, the ephrins, are frequently overexpressed in a variety of cancers and tumor cell lines. One Eph family member, EphA2, is also overexpressed in a wide variety of cancers, including breast, small-cell lung and gastrointestinal cancers, melanomas, and neuroblastomas. The ephrin-Eph interactions are important in development, especially in cell-cell interactions involved in nervous system patterning and possibly in cancer.
Product Categories/Family for anti-EphA2 antibody	Enzymes & Proteases
References	Ireton RC, Chen J: (2005) Curr Cancer Drug Tarqets. 5 (3), 149-57; Nakamoto M, Bergemann AD: (2002) Microsc Res Tech. 59 (1), 58-67

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967311
NCBI GeneID	1969
NCBI Accession #	NP_004422
NCBI GenBank Nucleotide #	NM_004431.4
UniProt Accession #	P29317; Q8N3Z2; B5A968
Molecular Weight	54,305 Da
NCBI Official Full Name	ephrin type-A receptor 2 isoform 1
NCBI Official Synonym Full Names	EPH receptor A2
NCBI Official Symbol	EPHA2
NCBI Official Synonym Symbols	ECK; CTPA; ARCC2; CTPP1; CTRCT6
NCBI Protein Information	ephrin type-A receptor 2
UniProt Protein Name	Ephrin type-A receptor 2
UniProt Gene Name	EPHA2
UniProt Synonym Gene Names	ECK

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/epha2-antibody-clone-3d7-immunohistochemistry-western-blot-elisa/48031>