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Product Information

Recombinant Anti-Human epha2 Antibody

Cat. No.: **MOM-18552**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human EPHA2, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A3, -A4 and -A5. Plays an important role in angiogenesis and tumor neovascularization. The recruitement of VAV2, VAV3 and PI3-kinase p85 subunit by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity). Induces apoptosis in a p53/TP53-independent, caspase-8-dependent manner.

Specific Activity

Tested positive against native antigen.

Target

EPHA2

Immunogen

Recombinant mouse EphA2 extracellular domain

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in Neut, FuncS, ELISA, FC, WB and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

EPHA2 EPH receptor A2 [Homo sapiens]

Official Symbol

EPHA2

Synonyms

EPHA2; EPH receptor A2; ECK, EphA2; ephrin type-A receptor 2; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; epithelial cell receptor protein tyrosine kinase; ECK; CTPA; ARCC2; CTPP1;

Gene ID

1969

mRNA Refseq

NM_004431

Protein Refseq

NP_004422

MIM

176946

UniProt ID

P29317

Chromosome Location

1p36

Pathway

Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Direct p53 effectors, organism-specific biosystem; EPHA forward signaling, organism-specific biosystem; EPHA2 forward signaling, organism-specific biosystem; EphrinA-EPHA pathway, organism-specific biosystem;

Function

ATP binding; ephrin receptor activity; nucleotide binding; protein binding; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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