

EPHA2 Antibody

*EPH receptor A2, Mouse Anti Human
ABM0228*

Product Overview

Name EPHA2 Antibody

Description

EPH receptor A2, Mouse Anti Human

Synonyms

EPHA2, EPH Receptor A2, ECK, Tyrosine-Protein Kinase Receptor ECK, EC 2.7.10.1, CTRCT6, ARCC2, CTPP1, CTPA, Epithelial Cell Receptor Protein Tyrosine Kinase, Ephrin Type-A Receptor 2, Soluble EPHA2 Variant 1, Epithelial Cell Kinase, EC 2.7.10, EphA2.

Introduction

EPH Receptor A2 (EPHA2) is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. EPHA2 is a protein which binds ephrin-A ligands. EPH and EPH-related receptors are associated with mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily normally have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. EPHA2 gene mutations are the cause of certain genetically-related cataract disorders.

Source

HEK 293.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

EPHA2 was filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% (w/v) trehalose.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

AQGKEVLLD FAAAGGELGW LTHPYGKGWD LMQNIMNDMP IYMYSVCNVM SGDQDNWLRT NWVYRGEAER
IFIELKFTVR DCNSFPGGAS SCKETFNLYY AESDLDYGTN FQKRLFTKID TIAPDEITVS SDFEARHVKL
NVEERSVGPL TRKGFYLAHQ DIGACVALLS VRVYKCKPE LLQGLAHFPE TIAGSDAPSL ATVAGTCVDH
AVVPPGGEEP RMHCAVDGEW LVPIGQCLCQ AGYEKVEDAC QACSPGFFKF EASESPCLEC PEHTLPSPEG
ATSCECEEGF FRAPQDPASM PCTRPPSAPH YLTAVGMGAK VELRWTPPQD SGGREDIVYS VTCEQCWPES
GECGPCEASV RYSEPPHGLT RTSVTVSDLE PHMNYTFTVE ARNGVSLVLT SRSFRTASVS INQTEPPKVR
LEGRSTTSLV VSWSSIPPPQQ SRVWKYEVTY RKKGDSNSYN VRRTEGFSVT LDDLAPDTTY LVQVQALTQE
GQGAGSKVHE FQTLSPKEL H HHHHH .

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. EPHA2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

EPHA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.