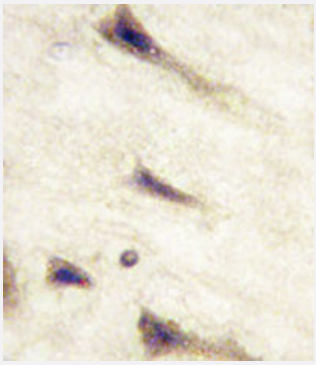
EPHA5 monoclonal antibody, clone 46CT61.6.4

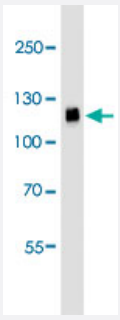
Catalog # MAB12324 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human brain tissue reacted with EPHA5 monoclonal antibody (Cat # MAB12324) at 1:10-1:50 dilution.



Western Blot (Cell lysate)

Western blot analysis of U-251 MG cell line lysates reacted with EPHA5 monoclonal antibody (Cat # MAB12324) at 1:1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human EPHA5.
Immunogen	Recombinant His fusion protein corresponding to human EPHA5.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (1:10-1:50) Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of formalin-fixed and paraffin-embedded human brain tissue reacted with EPHA5 monoclonal antibody (Cat # MAB12324) at 1:10-1:50 dilution.

- Western Blot (Cell lysate)

  Western blot analysis of U-251 MG cell line lysates reacted with EPHA5 monoclonal antibody (Cat # MAB12324) at 1:1000 dilution.

Gene Info — EPHA5

Entrez GeneID	2044
Gene Name	EPHA5
Gene Alias	CEK7, EHK1, HEK7, TYRO4
Gene Description	EPH receptor A5
Omim ID	600004
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in th e nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an e xtracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin rece ptors are divided into 2 groups based on the similarity of their extracellular domain sequences an d their affinities for binding ephrin-A and ephrin-B ligands. Two transcript variants encoding differ ent isoforms have been found for this gene.

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Other Designations	Eph homology kinase-1|ephrin receptor EphA5|ephrin type-A receptor 5|receptor protein-tyrosine kinase HEK7|tyrosine-protein kinase receptor EHK-1

Pathway

- Axon guidance

Disease

- Tobacco Use Disorder

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