

Mouse anti-Human EPHA5 Monoclonal Antibody | anti-EPHA5 antibody

EPHA5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283574	Mouse	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

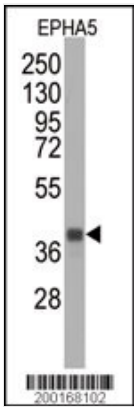
EPHA5; Monoclonal Antibody; EPHA5 Antibody; Ephrin type-A receptor 5; Brain-specific kinase; EPH homology kinase 1; EHK-1; EPH-like kinase 7; EK7; hEK7; BSK; EHK1; HEK7; TYRO4; anti-EPHA5 antibody

PRODUCT SPECIFICATIONS

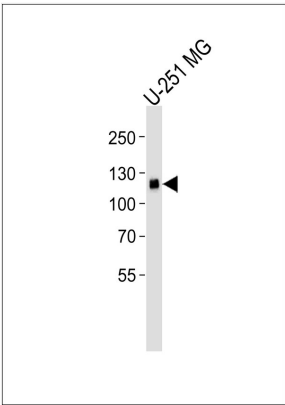
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1?
Clone Number	46CT61.6.4
Specificity	Purified His-tagged EPHA5 protein(Fragment) was used to produced this monoclonal antibody.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	1037
Applicable Applications for anti-EPHA5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with EPHA5 Monoclonal Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-EPHA5 Monoclonal Antibody by EPHA5 recombinant protein (Fragment). EPHA5 (Fragment) protein (arrow) was detected using the purified Mab.(1:2000



WB (Western Blot)
Western blot analysis of lysate from U-251 MG cell line, using EphA5 Antibody. AAA283574 was diluted at 1:1000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA5 antibody	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 the nervous system. Receptors in the EPH subfamily typically 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 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-EPHA5 antibody	Crown Antibodies; Cardiovascular; Signal Transduction
References	Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Clinical significance of ephrin (eph)-A1, -A2, -a4, -a5 and -a7 receptors in pancreatic ductal adenocarcinoma. Giaginis C, et al. Pathol Oncol Res, 2010 Jun. PMID 19949912. Frequent epigenetic inactivation of the receptor tyrosine kinase EphA5 by promoter methylation in human breast cancer. Fu DY, et al. Hum Pathol, 2010 Jan. PMID 19733895. Over-expression of Eph and ephrin genes in advanced ovarian cancer: ephrin gene expression correlates with shortened survival. Herath NI, et al. BMC Cancer, 2006 Jun 1. PMID 16737551. The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221625401
NCBI GeneID	2044
NCBI Accession #	NP_004430.4; NP_872272.2
NCBI GenBank Nucleotide #	NM_004439.6
UniProt Accession #	P54756; Q7Z3F2
Molecular Weight	114803
NCBI Official Full Name	ephrin type-A receptor 5 isoform a
NCBI Official Synonym Full Names	EPH receptor A5
NCBI Official Symbol	EPHA5
NCBI Official Synonym Symbols	EK7; CEK7; EHK1; HEK7; EHK-1; TYRO4
NCBI Protein Information	ephrin type-A receptor 5
UniProt Protein Name	Ephrin type-A receptor 5
UniProt Gene Name	EPHA5
UniProt Synonym Gene Names	BSK; EHK1; HEK7; TYRO4; EHK-1; EK7; hEK7
UniProt Entry Name	EPHA5_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/epha5-antibody-clone-46ct61-6-4-immunohistochemistry-western-blot-elisa/283574>