10320 Camino Santa Fe, Suite G
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EphA6 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1237a

Specification

EphA6 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q9UF33
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**

Description
EphA6: EPH receptor A6. The Eph subfamily represents the largest group of receptor protein tyrosine kinases identified to date. While the biological activities of these receptors have yet to be determined, there is increasing evidence that they are involved in central nervous system function and in development. The Eph subfamily receptors of human origin (and their murine/avian homologs) include EphA1(Eph), EphA2 (Eck), EphA3 (Hek4), EphA4 (Hek8), EphA5 (Hek7), EphA6 (Hek12),EphA7 (Hek11/MDK1), EphA8 (Hek3), EphB1 (Hek6), EphB2 (Hek5), EphB3(Cek10, Hek2), EphB4 (Htk), EphB5 (Hek9) and EphB6 (Mep). Ligands for Eph receptors include ephrin-A4 (LERK-4) which binds EphA3 and EphB1. Ephrin-A2(ELF-1) has been described as the ligand for EphA4, ephrin-A3 (Ehk1-L) as the ligand for EphA5 and ephrin-B2 (Htk-L) as the ligand for EphB4 (Htk).

Immunogen
Purified recombinant fragment of EphA6 (aa695-795) expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

EphA6 Antibody - Additional Information

Gene ID 285220

Other Names
Ephrin type-A receptor 6, 2.7.10.1, EPH homology kinase 2, EHK-2, EPH-like kinase 12, EK12, EPHA6, EHK2, HEK12

Dilution
WB~~1/500 - 1/2000
IHC~~1:200~~1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
EphA6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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EphA6 Antibody - Protein Information

Name EPHA6

Synonyms EHK2, HEK12

Function
Receptor tyrosine kinase which binds promiscuously GPI- anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling (By similarity).

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Expressed in brain and testis.

EphA6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EphA6 Antibody - Images

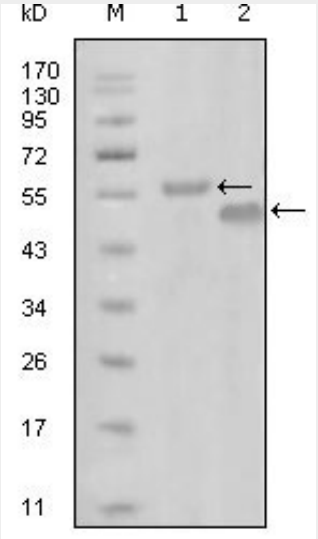

Figure 1: Western blot analysis using EphA6 mouse mAb against truncated MBP-EphA6 recombinant protein (1) and truncated GST-EphA6(aa695-795) recombinant protein (2).

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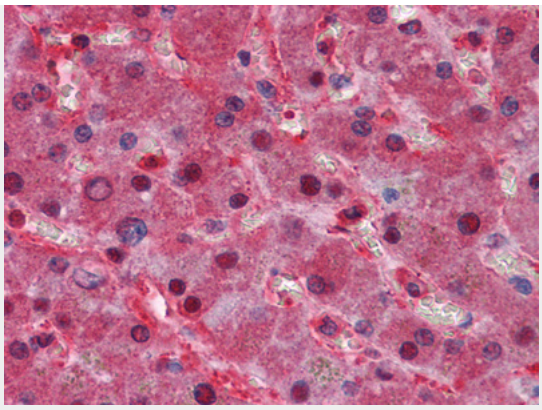

Figure 2: Immunohistochemical analysis of paraffin-embedded human Liver tissues using LPA mouse mAb

EphA6 Antibody - References

1. Curr Biol. 2004 Feb 3;14(3):R121-3. 2. Genome Res. 2006 Jan;16(1):55-65.