

# EphA6 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1237a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9UF33</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	3D5B10
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	116379
<b>Description</b>	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).
<b>Immunogen</b>	Purified recombinant fragment of EphA6 (aa695-795) expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	285220
<b>Other Names</b>	Ephrin type-A receptor 6, 2.7.10.1, EPH homology kinase 2, EHK-2, EPH-like kinase 12, EK12, EPHA6, EHK2, HEK12
<b>Dilution</b>	WB~~1/500 - 1/2000 E~~N/A
<b>Storage</b>	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.
<b>Precautions</b>	EphA6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	EPHA6
<b>Synonyms</b>	EHK2, HEK12
<b>Function</b>	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).
<b>Cellular Location</b>	Membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Expressed in brain and testis.

## References

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

## Images

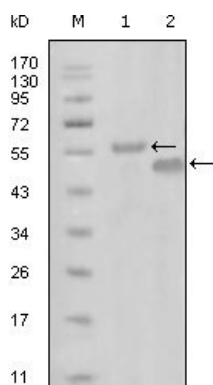


Figure 1: Western blot analysis using EphA6 mouse mAb against truncated MBP-EphA6 recombinant protein (1) and truncated GST-EphA6(aa695-795) recombinant protein (2).

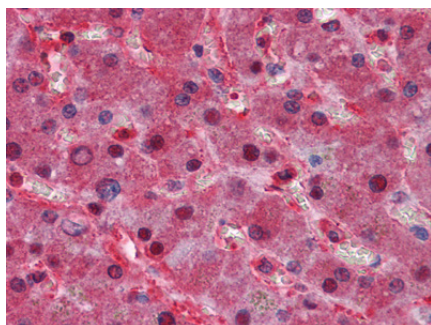


Figure 2: Immunohistochemical analysis of paraffin-embedded human Liver tissues using LPA mouse mAb

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