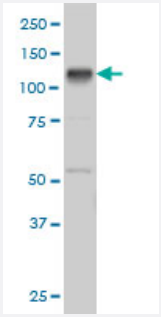
EPHB3 monoclonal antibody (M02), clone 1E12

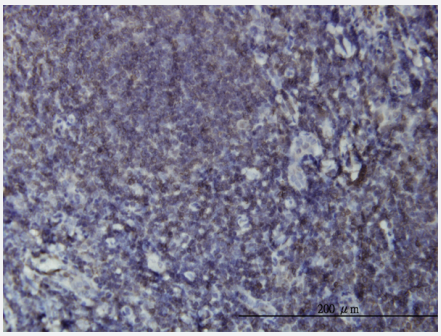
Catalog # H00002049-M02 Size 100 ug

Applications



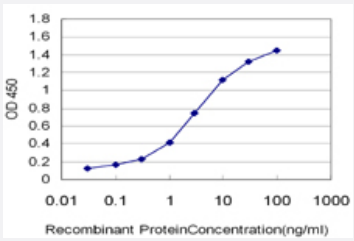
Western Blot (Cell lysate)

EPHB3 monoclonal antibody (M02), clone 1E12 Western Blot analysis of EPHB3 expression in HeLa (Cat # L013V1).



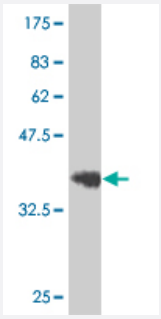
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to EPHB3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPHB3 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EPHB3.
Immunogen	EPHB3 (NP_004434, 899 a.a. ~ 997 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AASLKVIASAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGRYKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLPVQ
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Cell lysate)

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  Protocol Download

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- ELISA

Gene Info — EPHB3

Entrez GeneID	2049
GeneBank Accession#	NM_004443
Protein Accession#	NP_004434
Gene Name	EPHB3
Gene Alias	ETK2, HEK2, TYRO6
Gene Description	EPH receptor B3
Omim ID	601839
Gene Ontology	Hyperlink
Gene Summary	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of 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. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq
Other Designations	EPH-like tyrosine kinase-2|ephrin receptor EphB3|human embryo kinase 2

Pathway

- Axon guidance

Disease

- Cleft Lip
- Cleft Palate
- Tooth Abnormalities