

Datasheet

EPHB6 monoclonal antibody (M03), clone 5D8

Catalog Number: H00002051-M03

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant EPHB6.

Clone Name: 5D8

Immunogen: EPHB6 (NP_004436, 23 a.a. ~ 122 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

DTTGETSEIGWLTYPGGWDEVSVLDDQRRRLTRTFEA
CHVAGAPPGTGQDNWLQTHFVERRGAQRAHIRLHFS
VRACSSLGVSGGTCRETFTLYYRQAE

Host: Mouse

Reactivity: Human, Mouse, Rat

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2051

Gene Symbol: EPHB6

Gene Alias: HEP, MGC129910, MGC129911

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 ephrin receptor encoded by this gene lacks the kinase activity of most receptor tyrosine kinases and binds to ephrin-B ligands. [provided by RefSeq]

References:

1. Dynamic Interactions between Cancer Cells and the Embryonic Microenvironment Regulate Cell Invasion and Reveal EphB6 as a Metastasis Suppressor. Bailey CM, Kulesa PM Mol Cancer Res. 2014 Sep;12(9):1303-13. doi: 10.1158/1541-7786.MCR-13-0673. Epub 2014 May 16.