

Product Datasheet

EphB3 Antibody (1B3) - Azide and BSA Free H00002049-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00002049-M01

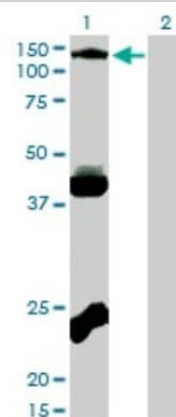
EphB3 Antibody (1B3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1B3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2049
Gene Symbol	EPHB3
Species	Human, Mouse
Specificity/Sensitivity	EPHB3 - EPH receptor B3
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. AASLKVIASAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGRYKESFVSAGF ASFDLVAQMTAEDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLPVQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

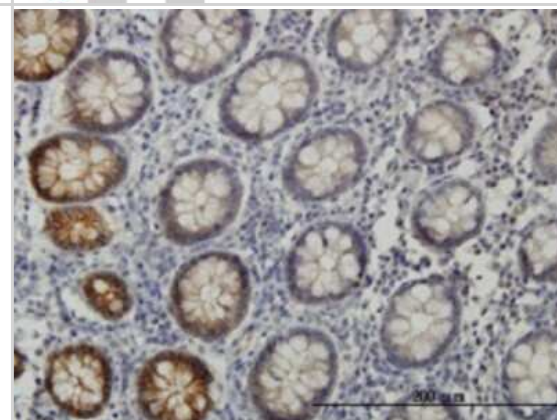


Images

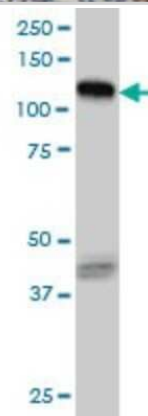
Western Blot: EphB3 Antibody (1B3) [H00002049-M01] - Analysis of EPHB3 expression in transfected 293T cell line by EPHB3 monoclonal antibody (M01), clone 1B3. Lane 1: EPHB3 transfected lysate(110.3 KDa). Lane 2: Non-transfected lysate.



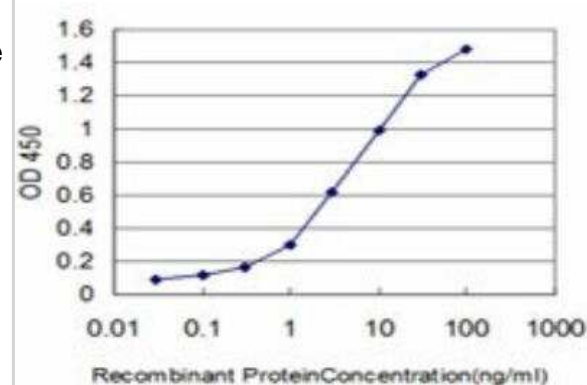
Immunohistochemistry-Paraffin: EphB3 Antibody (1B3) [H00002049-M01] - Analysis of monoclonal antibody to EPHB3 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



Western Blot: EphB3 Antibody (1B3) [H00002049-M01] - EPHB3 monoclonal antibody (M01), clone 1B3 Analysis of EPHB3 expression in HeLa.



ELISA: EphB3 Antibody (1B3) [H00002049-M01] - Detection limit for recombinant GST tagged EPHB3 is approximately 0.1 ng/ml as a capture antibody.



Publications

Yanina T, Stephen T, Madelen D et al. EphB3 interacts with initiator caspases and FHL-2 to activate dependence receptor cell death in oligodendrocytes after brain injury. *Brain Commun.* 2020-10-18 [PMID: 33305261]

Assis-Nascimento P, Tsenkina Y, Liebl DJ. EphB3 signaling induces cortical endothelial cell death and disrupts the blood-brain barrier after traumatic brain injury *Cell Death Dis* 2018-01-08 [PMID: 29311672] (WB, Human)

Ronsch K, Jager M, Schopflin A et al. Class I and III HDACs and loss of active chromatin features contribute to epigenetic silencing of CDX1 and EPHB tumor suppressor genes in colorectal cancer. *Epigenetics.* 2011-05-01 [PMID: 21393996]

Ishii M, Nakajima T, Ogawa K. Complementary expression of EphB receptors and ephrin-B ligand in the pyloric and duodenal epithelium of adult mice. *Histochem Cell Biol.* 2011-08-05 [PMID: 21818578]

Ogawa K, Takemoto N, Ishii M et al. Complementary expression and repulsive signaling suggest that EphB receptors and ephrin-B ligands control cell positioning in the gastric epithelium. *Histochem Cell Biol.* 2011-09-30 [PMID: 21959989]

Schauer MC, Stoecklein NH, Theisen J et al. The simultaneous expression of both ephrin B3 receptor and E-cadherin in Barrett's adenocarcinoma is associated with favorable clinical staging. *Eur J Med Res.* 2012-05-14 [PMID: 22583970]

Schauer M, Janssen KP, Rimkus C et al. Microarray-based response prediction in esophageal adenocarcinoma. *Clin Cancer Res*;16(1):330-7. 2010-01-01 [PMID: 20028767]





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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-84776PEP	EphB3 Recombinant Protein Antigen

Limitations

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