

ROBO2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ROBO2.

Catalog # AT3685a

Product Information

Application	WB, E
Primary Accession	Q9HCK4
Other Accession	NM_002942
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4G5
Calculated MW	151200

Additional Information

Gene ID	6092
Other Names	Roundabout homolog 2, ROBO2, KIAA1568
Target/Specificity	ROBO2 (NP_002933, 441 a.a. ~ 540 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ROBO2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

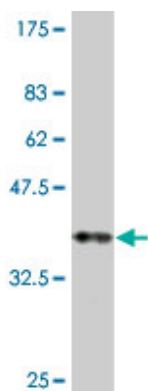
This gene belongs to the ROBO family, part of the immunoglobulin superfamily proteins that are highly conserved from fly to human. The encoded protein is a receptor for SLIT2, molecules known to function in axon guidance and cell migration. Defects in this gene are the cause of vesicoureteral reflux type 2. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

References

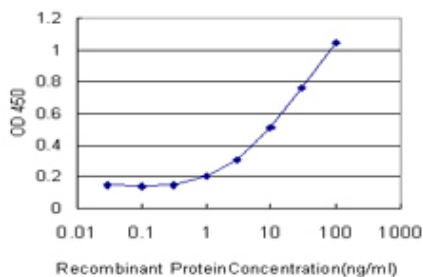
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. In search of genes associated with risk for psychopathic tendencies in children: a two-stage genome-wide association study of pooled DNA. Viding E, et

al. J Child Psychol Psychiatry, 2010 Jul. PMID 20345837. Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926. Association of polymorphisms in the SLIT2 axonal guidance gene with anger in suicide attempters. Sokolowski M, et al. Mol Psychiatry, 2010 Jan. PMID 20029409. Whole-genome linkage and association scan in primary, nonsyndromic vesicoureteric reflux. Cordell HJ, et al. J Am Soc Nephrol, 2010 Jan. PMID 19959718.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged ROBO2 is approximately 1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.