



Mouse anti-Human SEMA6D monoclonal antibody, clone 368620 (CABT-B9537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Mouse myeloma cell line NS0-derived recombinant human Semaphorin 6D Ser22-His660
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	368620
Purification	Protein A/G
Conjugate	Unconjugated
Applications	WB
Format	Lyophilized
Concentration	0.5 mg/ml
Size	100 µg
Buffer	PBS with 5% trehalose
Preservative	no preservative
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction	Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner. [provided by RefSeq, Nov 2010]
Keywords	SEMA6D; sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D; semaphorin-6D;

GENE INFORMATION

Entrez Gene ID	80031
UniProt ID	Q8NFY4
