



PLXA2 Monoclonal Antibody

Catalog No	YP-mAb-05940
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PLXNA2 KIAA0463 OCT PLXN2 UNQ209/PRO235
Protein Name	Plexin-A2 (Semaphorin receptor OCT)
Immunogen	Synthesized peptide derived from human protein . at AA range: 600-680
Specificity	PLXA2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	208kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Detected in fetal brain.
Function	function:Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.,similarity:Belongs to the plexin family.,similarity:Contains 1 Sema domain.,similarity:Contains 4 IPT/TIG domains.,subunit:Interacts directly with NRP1 and NRP2.,tissue specificity:Detected in fetal brain.,
Background	This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to



transduce signals from semaphorin-3A and -3C. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images