



# AMGO1 Monoclonal Antibody

<b>Catalog No</b>	BYmab-07233
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	AMIGO1 ALI2 AMIGO KIAA1163
<b>Protein Name</b>	Amphoterin-induced protein 1 (AMIGO-1) (Alivin-2)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 120-200
<b>Specificity</b>	AMGO1 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	54kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, dendrite . Cell projection, axon . Colocalizes with KCNB1 at high-density somatodendritic clusters on the surface of hippocampal and cortical neurons. Associated with axons of neuronal cells. .
<b>Tissue Specificity</b>	Brain,Hippocampus,Monocytic leukemia,Ovary,
<b>Function</b>	function:Promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain.,similarity:Belongs to the immunoglobulin superfamily. AMIGO family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 6 LRR (leucine-rich) repeats.,subcellular location:Associated with axons of neuronal cells.,subunit:Binds itself as well as AMIGO2 and AMIGO3.,

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**Background**

function:Promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain.,similarity:Belongs to the immunoglobulin superfamily. AMIGO family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 6 LRR (leucine-rich) repeats.,subcellular location:Associated with axons of neuronal cells.,subunit:Binds itself as well as AMIGO2 and AMIGO3.,

**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

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