Internexin-α Monoclonal Antibody

Catalog No	YP-mAb-12737
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INA
Protein Name	Alpha-internexin
Immunogen	Synthesized peptide derived from the Internal region of human Internexin-α.
Specificity	Internexin-α Monoclonal Antibody detects endogenous levels of Internexin-α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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	INA; NEF5; Alpha-internexin; Alpha-Inx; 66 kDa neurofilament protein; NF-66; Neurofilament-66; Neurofilament 5
Observed Band	55kD
Cell Pathway	extracellular space,nucleoplasm,neurofilament,nuclear membrane,cytoplasmic ribonucleoprotein granule,myelin sheath,intermediate filament cytoskeleton,
Tissue Specificity	Found predominantly in adult CNS.
Function	developmental stage:Expressed in brain as early as the 16th week of gestation, and increased rapidly and reached a steady state level by the 18th week of gestation.,function:Class-IV neuronal intermediate filament that is able to self-assemble. It is involved in the morphogenesis of neurons. It may form an independent structural network without the involvement of other neurofilaments or it may cooperate with NF-L to form the filamentous backbone to which NF-M and NF-H attach to form the cross-bridges.,PTM:O-glycosylated.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the intermediate filament family.,tissue specificity:Found predominantly in adult CNS.,
Background	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in

	intracellular transport to axons and dendrites. This gene is a member of the intermediate filament family and is involved in the morphogenesis of neurons. [provided by RefSeq, Jun 2009],
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.

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