



Internexin-α Monoclonal Antibody

Catalog No	YP-mAb-12737
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INA
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	Alpha internexin;66 kDa neurofilament protein;NEF5;Alpha-Inx;Alpha-internexin; Internexin-α;INA;NF-66;Neurofilament-66;Neurofilament 5
Observed Band	55kD
Calculated Molecular Weight	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.

Products Images