

For Research Use Only

# INA Monoclonal antibody

Catalog Number:67120-1-Ig



## Basic Information

<b>Catalog Number:</b> 67120-1-Ig	<b>GenBank Accession Number:</b> BC006359	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9118	<b>CloneNo.:</b> 3C12A8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16352	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:300-1:1200 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> internexin neuronal intermediate filament protein, alpha	
<b>Immunogen Catalog Number:</b> AG13655	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 60-66 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** fetal human brain tissue, rat cerebellum tissue, pig brain tissue, rat brain tissue, mouse brain tissue

**IHC :** human pancreas cancer tissue,

**IF/ICC :** SH-SY5Y cells,

## Background Information

INA, also named as Alpha internexin, is a 66 kDa intermediate filament protein which is involved in the morphogenesis of neurons. INA is mainly expressed in various kinds of central and peripheral neurons from early development and highly expressed in neurodegenerative and neuronal death cells. The MW of INA ranges from 60 kDa in human, pig and mouse to 66 kDa in rat.(PMID: 29940892, 2201753)

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

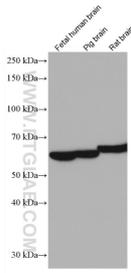
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

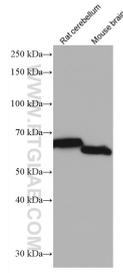
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

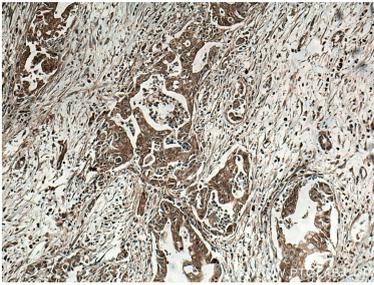


Various lysates were subjected to SDS PAGE followed by western blot with 67120-1-Ig (INA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using INA antibody (67120-1-Ig, Clone: 3C12A8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 67120-1-Ig (INA antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).