



Datasheet for ABIN390240  
**anti-INA antibody (AA 290-319)**



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### Overview

Quantity:	400 µL
Target:	INA
Binding Specificity:	AA 290-319
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This INA (alpha internexin) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-319 amino acids from the Central region of human INA (alpha internexin).
Clone:	RB13854
Isotype:	IgG
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	INA
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## Target Details

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Alternative Name:	INA (alpha internexin) ( <a href="#">INA Products</a> )
Background:	INA is a 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.
Molecular Weight:	55391
Gene ID:	9118
NCBI Accession:	<a href="#">NP_116116</a>
UniProt:	<a href="#">Q16352</a>

## Application Details

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Application Notes:	WB: 1:1000-2000. WB: 1:2000. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

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Product cited in:	Murakami, Ito, Hagiwara, Yoshida, Sobue, Ichihara, Takagi, Kojima, Tanaka, Tamiya-Koizumi, Kyogashima, Suzuki, Banno, Nozawa, Murate: "ATRA inhibits ceramide kinase transcription in a human neuroblastoma cell line, SH-SY5Y cells: the role of COUP-TFI." in: <b>Journal of neurochemistry</b> , Vol. 112, Issue 2, pp. 511-20, (2010) ( <a href="#">PubMed</a> ).
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Yang, Gagarin, St Laurent, Hammell, Toma, Hu, Iwasa, McCaffrey: "Cardiovascular inflammation and lesion cell apoptosis: a novel connection via the interferon-inducible immunoproteasome." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 29, Issue 8, pp. 1213-9, (2009) ([PubMed](#)).

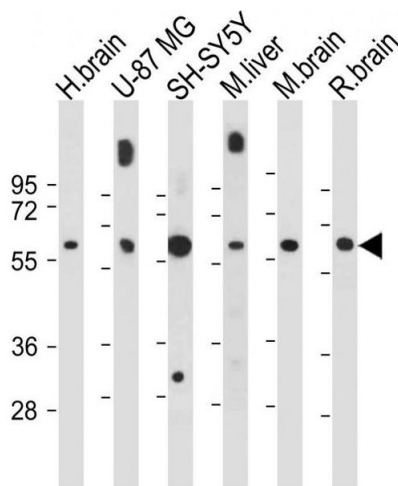
Hinkovska-Galcheva, Clark, VanWay, Huang, Hiraoka, Abe, Borofsky, Kunkel, Shanley, Shayman, Lanni, Petty, Boxer: "Ceramide kinase promotes Ca<sup>2+</sup> signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells." in: **Journal of lipid research**, Vol. 49, Issue 3, pp. 531-42, (2008) ([PubMed](#)).

Images



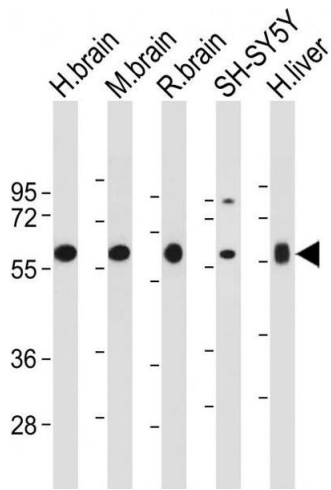
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with INA antibody (Center) (ABIN390240 and ABIN2840709), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** All lanes : Anti-INA Antibody (Center) at 1:1000-2000 dilution Lane 1: Human brain tissue lysate Lane 2: U-87 MG whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: Mouse liver tissue lysate Lane 5: Mouse brain tissue lysate Lane 6: Rat brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



### Western Blotting

**Image 3.** All lanes : Anti-INA Antibody (Center) at 1:2000 dilution Lane 1: Human brain tissue lysate Lane 2: Mouse brain tissue lysate Lane 3: Rat brain tissue lysate Lane 4: SH-SY5Y whole cell lysate Lane 5: Human liver tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.