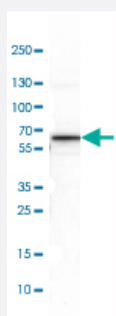


## INA polyclonal antibody

Catalog # PAB30792

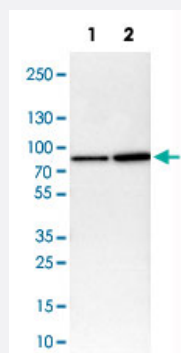
Size 100 uL

### Applications



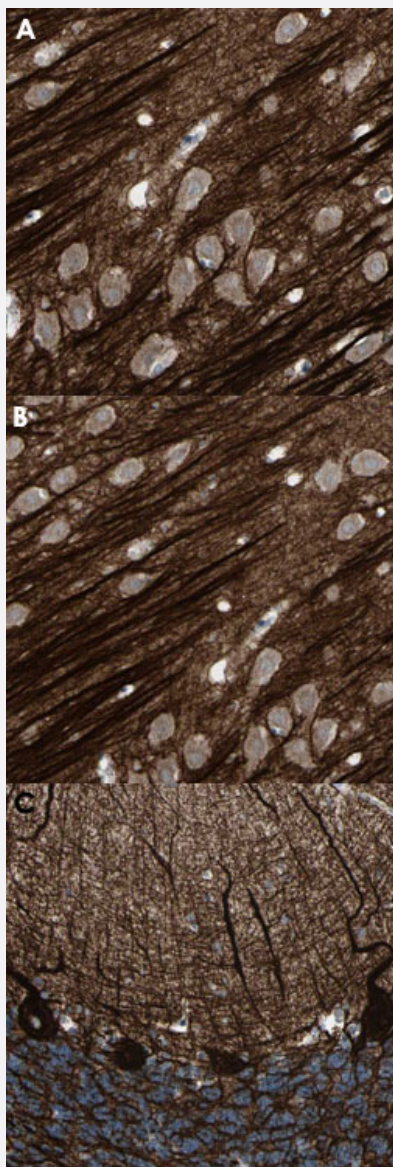
#### Western Blot (Tissue lysate)

Western Blot analysis of mouse cerebral cortex tissue lysate with INA polyclonal antibody (Cat # PAB30792).



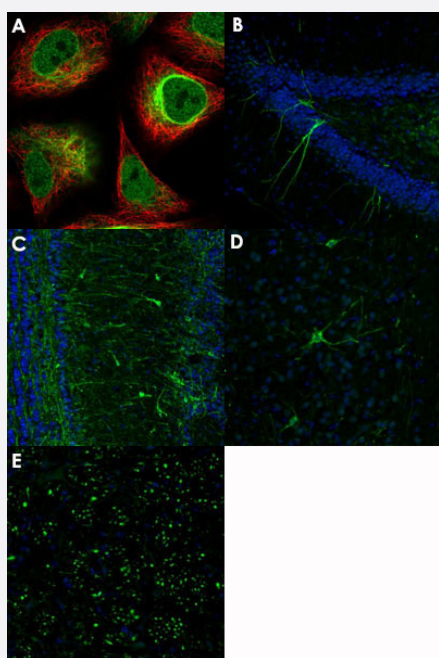
#### Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with INA polyclonal antibody (Cat # PAB30792).



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus (A, B), human cerebellum (C) with INA polyclonal antibody (Cat # PAB30792). A: Human hippocampus shows distinct positivity in neuronal processes. B: Human hippocampus shows strong positivity in neuropil. C: Human cerebellum shows strong cytoplasmic positivity in Purkinje cells and neuropil.



## Immunofluorescence

Immunofluorescent staining of A549 (A), mouse dentate gyrus (B), mouse olfactory bulb (C), mouse dorsal tectum (D) and mouse medulla (E) with INA polyclonal antibody (Cat # PAB30792) (Green). A: A549 shows positivity in nuclear membrane, intermediate filaments and nucleus but excluded from the nucleoli. B: Mouse dentate gyrus shows selective immunoreactivity in a subset of granular cells and their dendrites. C: Mouse olfactory bulb shows strong positivity in neuronal processes and some cell bodies in the external plexiform layer. D: Mouse dorsal tectum shows selective immunoreactivity in a subset of neurons. E: Mouse medulla shows distinct staining of nerve bundles.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human INA.
<b>Immunogen</b>	Recombinant protein corresponding to human INA.
<b>Sequence</b>	ALDIEIAAYRKLLERGEETRFSTSGLSISGLNPLPNPSYLLPPRILSATTSKVSSTGLSLKKEEEEEEA SKVASKKTSQIGESFEEILEETVISTKKTEKSNEETTISQ
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western Blot analysis of mouse cerebral cortex tissue lysate with INA polyclonal antibody (Cat # PAB30792).

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with INA polyclonal antibody (Cat # PAB30792).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus (A, B), human cerebellum (C) with INA polyclonal antibody (Cat # PAB30792). A: Human hippocampus shows distinct positivity in neuronal processes. B: Human hippocampus shows strong positivity in neuropil. C: Human cerebellum shows strong cytoplasmic positivity in purkinje cells and neuropil.

- Immunofluorescence

Immunofluorescent staining of A549 (A), mouse dentate gyrus (B), mouse olfactory bulb (C), mouse dorsal tenia tecta (D) and mouse medulla (E) with INA polyclonal antibody (Cat # PAB30792) (Green). A: A549 shows positivity in nuclear membrane, intermediate filaments and nucleus but excluded from the nucleoli. B: Mouse dentate gyrus shows selective immunoreactivity in a subset of granular cells and their dendrites. C: Mouse olfactory bulb shows strong positivity in neuronal processes and some cell bodies in the external plexiform layer. D: Mouse dorsal tenia tecta shows selective immunoreactivity in a subset of neurons. E: Mouse medulla shows distinct staining of nerve bundles.

## Gene Info — INA

Entrez GeneID	<a href="#">9118</a>
Protein Accession#	<a href="#">Q16352</a>
Gene Name	INA
Gene Alias	FLJ18662, FLJ57501, MGC12702, NEF5, NF-66, TXBP-1
Gene Description	internexin neuronal intermediate filament protein, alpha
Omim ID	<a href="#">605338</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]
Other Designations	OTTHUMP00000020403 neurofilament 5 (66kD) neurofilament-66, tax-binding protein

## Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)