NALP7 Antibody

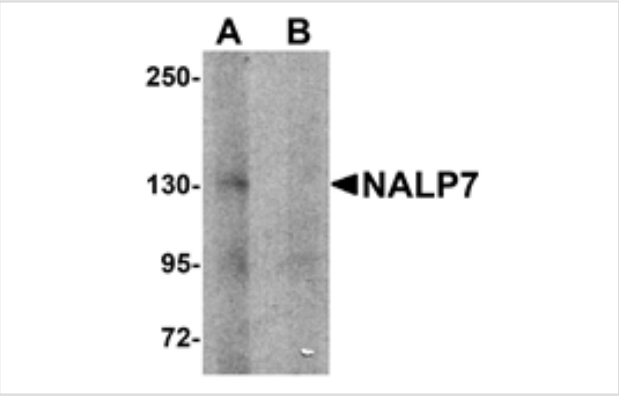
Catalog No: #25182

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

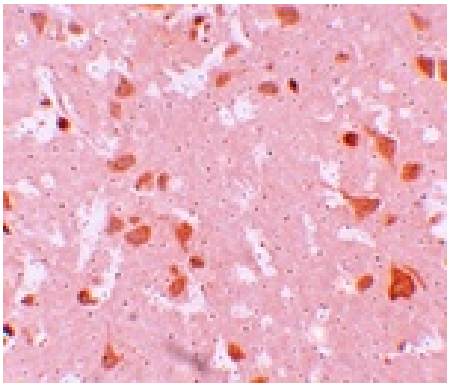
Description

Product Name	NALP7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the amino terminus of human NALP7.
Target Name	NALP7
Other Names	NLR family pyrin domain containing 7, NLRP7, PYRIN-containing APAF1-like protein 3, PYPAF3, NOD12, CLR19.4, PAN7, HYDM
Accession No.	Swiss-Prot:Q8WX94Gene ID:199713
Uniprot	Q8WX94
GeneID	199713;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of NALP7 in human brain tissue lysate with NALP7 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of NALP7 in human brain tissue with NALP7 antibody at 10 ug/mL.

Background

NOD proteins include the apoptosis regulator APAF1 (apoptotic protease activating factor 1) and mammalian NOD-LRR proteins. NALP7, also known as PYPAF3, a member of the related PYRIN-containing APAF1-like proteins (PYPAFs/NALPs) is thought to play a crucial role in cell proliferation. NALP7 has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. It is expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. NALP7 inhibits caspase-1-dependent interleukin-1β secretion and is a feedback regulator of interleukin-1β secretion. Defects in the NALP7 gene are known to cause the formation of a hydatidiform mole (HYDM) and reduce the growth of carcinoma cell lines.

Note: This product is for in vitro research use only