ABIN3 Antibody

Catalog No: #24948

Orders: order@signalwayantibody.com
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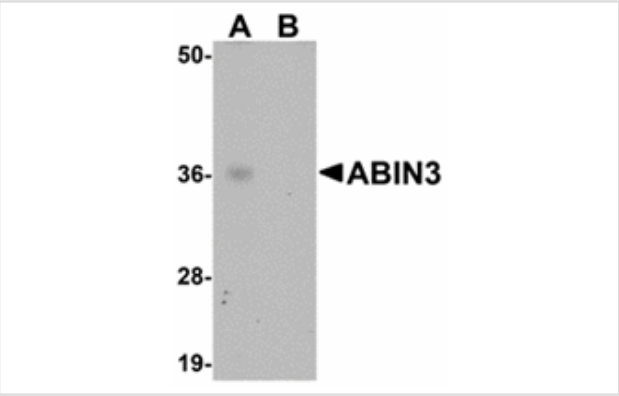
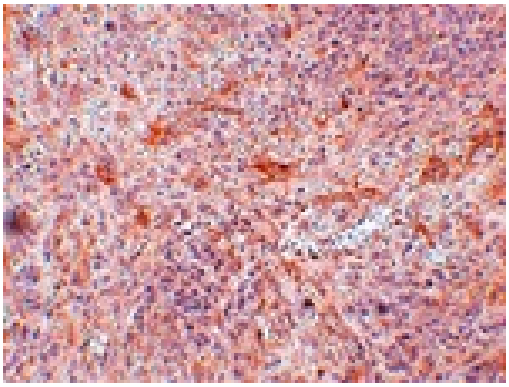
Description

Product Name	ABIN3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human ABIN3.
Target Name	ABIN3
Other Names	A20-binding inhibitor of NF-kappaB activation 3, TNFAIP3 interacting protein 3, TNIP3, Listeria-induced gene protein, LIND
Accession No.	Swiss-Prot:Q96KP6Gene ID:79931
Uniprot	Q96KP6
GeneID	79931;
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 ABIN3 in human spleen tissue lysate with ABIN3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ABIN3 in mouse spleen tissue with ABIN3 antibody at 5 ug/mL.

Background

The nuclear factor NF-κB plays key roles in development and immunity. ABIN3 (A20-binding inhibitor of NF-κB activation 3), also known as TNFAIP3-interacting protein 3 (TNIP3), is a novel negative feedback regulator of LPS-induced NF-κB activation. ABIN3 is a 39 kDa protein that negatively regulates NF-κB activation in response to TNF and LPS. ABIN3 is highly expressed in brain, thymus, lymph node, lung and fetal liver, with low expression in kidney, bone marrow. Through its interaction with A20, ABIN3 interferes with TRAF2-mediated transactivation signals and NF-κB inhibition is mediated by the ABIN-homology domain 2. ABIN3 has been found to be induced by Listeria infection and can be slightly downregulated by dexamethasone. Enhanced expression of ABIN3 in monocytes is associated with sepsis. Thus, ABIN3 is an IL-10-induced gene product capable of attenuating NF-κB in human macrophages yet is inoperative in mice and represents a basis for species-specific differences in IL-10 actions. At least four isoforms of ABIN3 are known to exist.

Note: This product is for in vitro research use only