

Datasheet for ABIN1387564
anti-TNIP1 antibody



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1 Publication

Overview

Quantity:	100 µL
Target:	TNIP1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNIP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TNIP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	TNIP1
Alternative Name:	TNIP1 (TNIP1 Products)
Background:	Synonyms: ABIN 1, ABIN-1, abin1, HIV-1 Nef interacting protein Nip40-1, TNFAIP3 interacting protein 1, HIV-1 Nef interacting protein, HIV-1 Nef-interacting protein, hVAN, KIAA0113, NAF 1, NAF-1, NAF1, Nef-associated factor 1, Nef-associated factor 1 SNP, Nip 40-1, Nip40-1, TNFAIP3

Target Details

interacting protein 1, TNFAIP3-interacting protein 1, TNIP 1, TNIP-1, Tnip1, TNIP1_HUMAN, VAN, Virion associated nuclear shuttling protein, Virion-associated nuclear shuttling protein. Background: Abin-1 is a 636 amino acid protein that localizes to both the nucleus and the cytoplasm and is shuttled between the two intercellular regions in a CRM1-dependent manner. Expressed ubiquitously with highest expression in spleen and skeletal muscle, Abin-1 interacts with A20 and, via this interaction, interferes with TRAF2-mediated transactivation signals and effectively inhibits TNF-induced NF_κB expression. Additionally, Abin-1 can be incorporated into HIV-1 virions and, if overexpressed, can inhibit viral replication. Abin-1 may also play an important role in the regulation of nuclear import and export activities. Multiple isoforms of Abin-1 exist due to alternative splicing events.

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

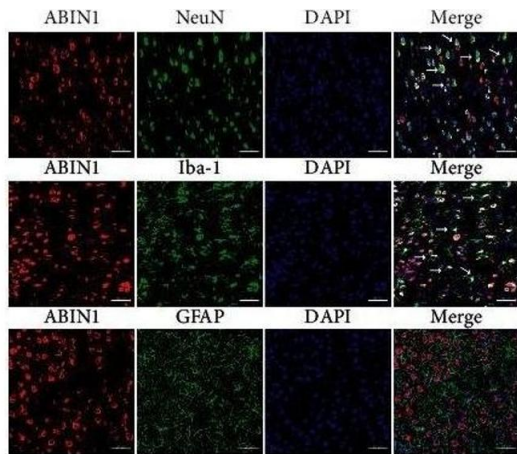
Expiry Date: 12 months

Publications

Product cited in: Zhou, Lu, Wang, Li, Luo: "A20-Binding Inhibitor of NF-κB 1 Ameliorates Neuroinflammation and

Mediates Antineuroinflammatory Effect of Electroacupuncture in Cerebral Ischemia/Reperfusion Rats." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2020, pp. 6980398, (2020) ([PubMed](#)).

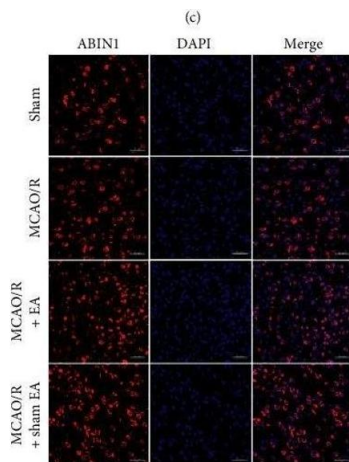
Images



(c)

Immunofluorescence (Paraffin-embedded Sections)

Image 1. ABIN1 is colocalized with A20 and NeuN and Iba-1, respectively, in the peri-infarct cortex. (a) Double immunofluorescence staining for ABIN1 and A20 in the peri-infarct cortex at 24h after reperfusion (n=3 rats per group). Scale bar=50µm. (b) Coimmunoprecipitation of ABIN1 and A20 in the peri-infarct cortex at 24h after reperfusion (n=3 rats per group). (c) Double immunofluorescence labeling of ABIN1 (red) and NeuN (green, neurons), Iba-1 (green, microglia), and GFAP (green, astrocytes), respectively (n=3 rats per group). White arrows show that ABIN1 is colocalized with NeuN and Iba-1, respectively. Scale bar=50 µm. (d) Comparisons of the percentage of ABIN1+ NeuN+ cells among ABIN1+ cells and ABIN1+ Iba-1+ cells among ABIN1+ cells in the peri-infarct cortex. P < 0.01 compared to ABIN1+ NeuN+/ABIN1+. - figure provided by CiteAb. Source: PMID33110436



(e)

Immunofluorescence (Paraffin-embedded Sections)

Image 2. ABIN1 expression in the peri-infarct area at different time points. (a) The core and peri-infarct areas of a MCAO/R rat. (b-d) RT-qPCR and western blot were used to, respectively, detect the levels of the ABIN1 mRNA and protein in the peri-infarct cortex at 6h, 12h, 24h, 48h, and 72h after reperfusion (n=5 rats per group). The expression of ABIN1 was normalized to GAPDH. (e) ABIN1 (red) and DAPI (blue) immunofluorescence staining present the distribution of ABIN1 at 24h after reperfusion (n=3 rats per

group). Scale bar=50µm. (f) Column chart presenting the ABIN1+ cell counts in the four groups ($P < 0.05$ and $P < 0.01$ compared to the sham group, $\#P < 0.05$ and $\#\#P < 0.01$ compared to the MCAO/R group). - figure provided by CiteAb. Source: PMID33110436

Immunofluorescence (Paraffin-embedded Sections)

Image 3. ABIN1 is colocalized with A20 and NeuN and Iba-1, respectively, in the peri-infarct cortex. (a) Double immunofluorescence staining for ABIN1 and A20 in the peri-infarct cortex at 24h after reperfusion (n=3 rats per group). Scale bar=50µm. (b) Coimmunoprecipitation of ABIN1 and A20 in the peri-infarct cortex at 24h after reperfusion (n=3 rats per group). (c) Double immunofluorescence labeling of ABIN1 (red) and NeuN (green, neurons), Iba-1 (green, microglia), and GFAP (green, astrocytes), respectively (n=3 rats per group). White arrows show that ABIN1 is colocalized with NeuN and Iba-1, respectively. Scale bar=50 µm. (d) Comparisons of the percentage of ABIN1+ NeuN+ cells among ABIN1+ cells and ABIN1+ Iba-1+ cells among ABIN1+ cells in the peri-infarct cortex. $P < 0.01$ compared to ABIN1+ NeuN+/ABIN1+. - figure provided by CiteAb. Source: PMID33110436

