VISA Antibody

Catalog No: #24501

Orders: order@signalwayantibody.com
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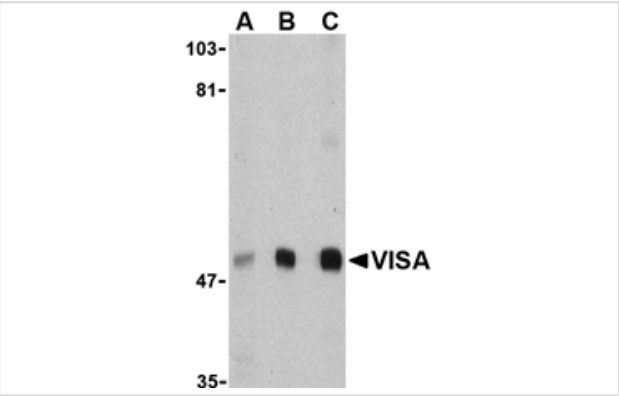
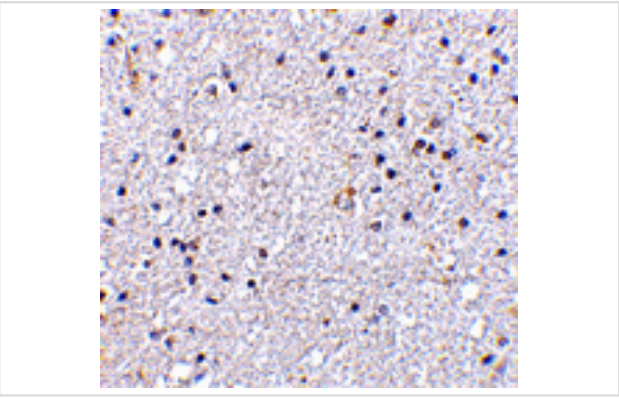
Description

Product Name	VISA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the amino terminus of human VISA.
Target Name	VISA
Other Names	Virus-induced signaling adapter, mitochondrial antiviral signaling protein, MAVS, CARD adapter inducing interferon-beta, Cardif, IPS-1
Accession No.	NP_065797
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 VISA in A20 cell lysate with VISA antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of VISA in human brain tissue with VISA antibody at 5 ug/mL.

Background

Two distinct signaling pathways activate the host innate immunity against viral infection. One pathway is reliant on members of the Toll-like receptor (TLR) family while the other uses the RNA helicase RIG-I as a receptor for intracellular viral double-stranded RNA as a trigger for the immune response. VISA is a mitochondrial membrane protein that was identified as a critical component in the IFN-b signaling pathways that recruits IRF-3 to RIG-I, leading to its activation and that of NF-κB. VISA is also thought to interact with other components of the innate immune pathway such as the TLR adapter protein TRIF, TRAF2 and TRAF6. VISA also interacts with the IKKα, IKKβ and IKKε kinases through its C-terminal region. Cleavage of this region by the Hepatitis C virus (HCV) protease allows HCV to escape the host immune system. At least three isoforms of VISA are known to exist.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.