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Product datasheet for TA306399

MAVS Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	VISA antibody was raised against a 13 amino acid peptide from near the amino terminus of human VISA.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mitochondrial antiviral signaling protein
Database Link:	NP_065797 Entrez Gene 228607 MouseEntrez Gene 311430 RatEntrez Gene 57506 Human Q7Z434

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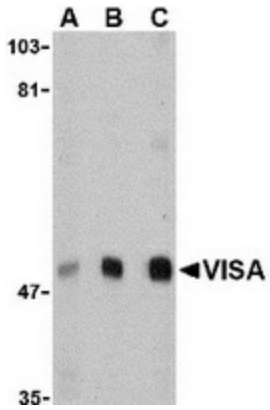
Background: Two distinct signaling pathways activate the host innate immunity against viral infection. One pathway is reliant on members of the Toll-like receptor (TLR) family while the other uses the RNA helicase RIG-I as a receptor for intracellular viral double-stranded RNA as a trigger for the immune 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-kappaB. 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 IKKalpha, IKKbeta and IKKepsilon 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.

Synonyms: CARDIF; IPS-1; IPS1; VISA

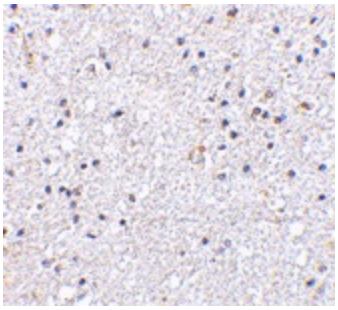
Protein Families: Transmembrane

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

Product 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.

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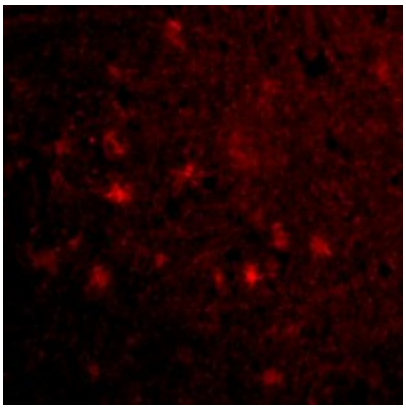

Immunofluorescence of VISA in Human Brain cells with VISA antibody at 20 ug/mL.

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