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Name:Rabbit Polyclonal VISA Antibody
Product Data Sheet - ANTIBODY

Catalog: TA306400

Components:
- Rabbit Polyclonal VISA Antibody (TA306400)

Amount: 100ug

Immunogen: VISA antibody was raised against a 17 amino acid peptide from near the center of human VISA.

Host: Rabbit

Isotype: IgG

Species Reactivity: Human, Mouse, Rat

Guaranteed Applications: WB, IHC, IF

Suggested Dilutions: WB: 0.5 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL

Concentration: 1ug/ul

Buffer: PBS containing 0.02% sodium azide.

Purification: Affinity chromatography purified via peptide column

Storage Condition: Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name: mitochondrial antiviral signaling protein

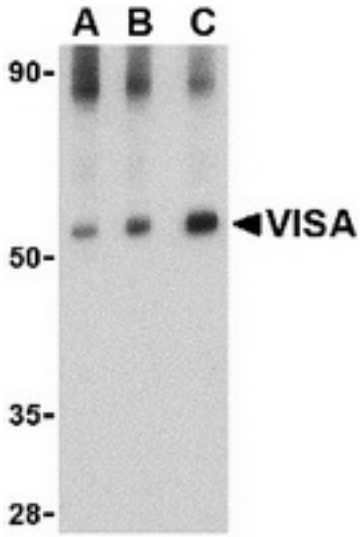
Alternative Name: CARDIF|IPS-1|IPS1|VISA

Database Link:
NP_065797
Entrez Gene 57506 Human
Entrez Gene 228607 Mouse
Entrez Gene 311430 Rat

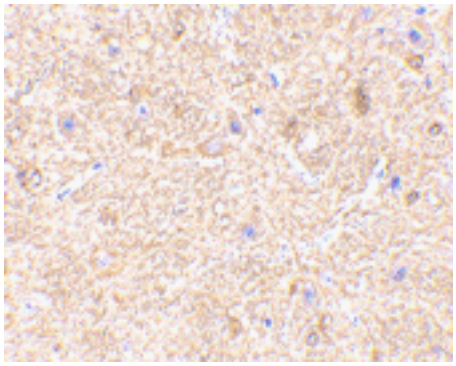
Function: Two distinct signaling pathways activate the host innate immunity against viral infection. One pathway is reliant on members of the Toll-like receptor (TLR) family while the other uses the RNA helicase RIG-I as a receptor for intracellular viral double-stranded RNA as a trigger for the immune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

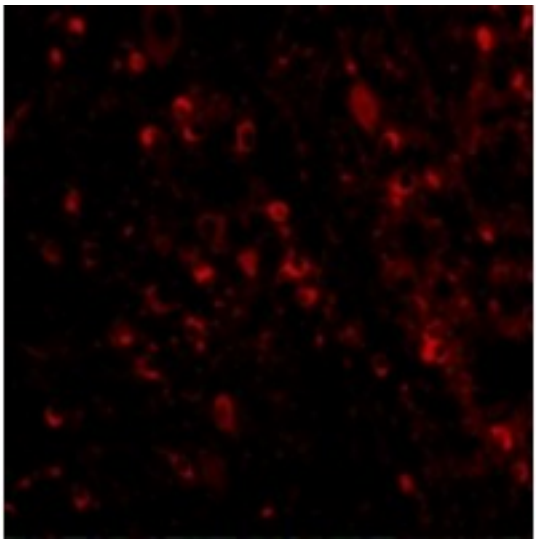
Validation Data



Western blot analysis of VISA in rat brain tissue lysate with VISA antibody at (A) 0.5, (B) 1 and (C) 2 ug/ml.



Immunohistochemistry of VISA in mouse brain tissue with VISA antibody at 2.5 ug/ml.



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

* More validation images may be available on our website: http://www.origene.com/antibody/TA306400.aspx