

Product datasheet for **TA306400**

MAVS Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	VISA antibody was raised against a 17 amino acid peptide from near the center 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 Mouse Entrez Gene 311430 Rat Entrez 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- β signaling pathways that recruits IRF-3 to RIG-I, leading to its activation and that of NF- κ B. 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 IKK α , IKK β and IKK ϵ 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:

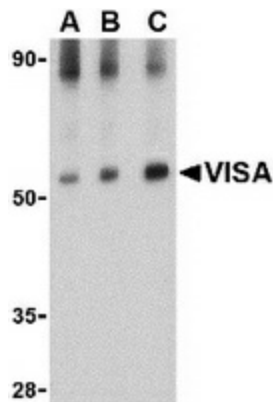
CARDIF; IPS-1; IPS1; VISA

Protein Families:

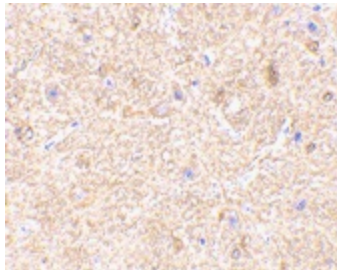
Transmembrane

Protein Pathways:

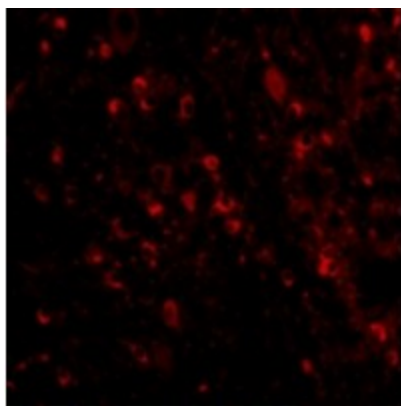
Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

Product images:


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



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



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