

SITPEC antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11145

Product Information

Application	WB
Primary Accession	Q9QZH6
Other Accession	NM_012029 , NP_036159
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Predicted	Human, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49799

Additional Information

Gene ID	26940
Alias Symbol	Sitpec
Other Names	Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial, Protein SITPEC, Ecsit, Sitpec
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-SITPEC antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SITPEC antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ecsit {ECO:0000312 MGI:MGI:1349469}
Synonyms	Sitpec
Function	Adapter protein that plays a role in different signaling pathways including TLRs and IL-1 pathways or innate antiviral induction signaling (PubMed: 10465784). Plays a role in the activation of NF- kappa-B by forming a signal complex with TRAF6 and TAK1/MAP3K7 to activate TAK1/MAP3K7 leading to activation of IKKs. Once ubiquitinated, interacts with the dissociated RELA and NFKB1 proteins and translocates to the nucleus where it induces NF-kappa-B-dependent gene expression. Plays a role in innate antiviral immune response by bridging the pattern recognition receptors RIGI

and MDA5/IFIT1 to the MAVS complex at the mitochondrion (By similarity). Promotes proteolytic activation of MAP3K1. Involved in the BMP signaling pathway (PubMed:[14633973](#)). Required for normal embryonic development (By similarity).

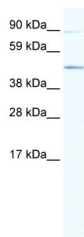
Cellular Location Cytoplasm {ECO:0000250|UniProtKB:Q9BQ95}. Nucleus {ECO:0000250|UniProtKB:Q9BQ95}. Mitochondrion {ECO:0000250|UniProtKB:Q9BQ95}

Tissue Location Detected in heart, brain, lung, liver, skeletal muscle, kidney and testis. Detected in embryonic mesoderm and epiblast, and in extraembryonic ectoderm.

References

Xiao,C., et al., (2003) Genes Dev. 17 (23), 2933-2949
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-SITPEC Antibody Titration: 1.25µg/ml
ELISA Titer: 1:1562500
Positive Control: NIH/3T3 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.