

SITPEC antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11145**Specification**

SITPEC antibody - middle region - Product Information

Application	WB
Primary Accession	O9QZH6
Other Accession	NM_012029 , NP_036159
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted Host	Human, Rat, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 48kDa KDa

SITPEC antibody - middle region - 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.

SITPEC antibody - middle region - 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

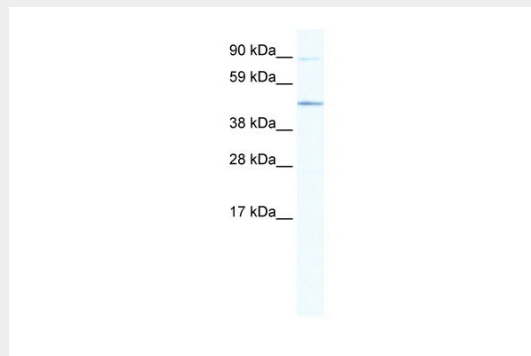
Detected in heart, brain, lung, liver, skeletal muscle, kidney and testis. Detected in embryonic mesoderm and epiblast, and in extraembryonic ectoderm.

SITPEC antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SITPEC antibody - middle region - Images



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

SITPEC antibody - middle region - 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.