

Ecsit antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI11144

Product Information

Application WB
Primary Accession Q9QZH6

Other Accession <u>NM 012029</u>, <u>NP 036159</u>

Reactivity Mouse
Predicted Mouse
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 50 ul of distilled water. Final anti-Ecsit 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 Ecsit antibody - N-terminal 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: $\underline{10465784}$). 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

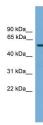
{ECO:0000250 | UniProtKB:Q9BQ95}

Tissue Location Detected in heart, brain, lung, liver, skeletal muscle, kidney and testis.

Detected in embryonic mesoderm and epiblast, and in extraembryonic

ectoderm.

Images



WB Suggested Anti-Ecsit Antibody Titration: 0.2-1 µg/ml Positive Control: Mouse Heart

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