10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ECSIT Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14858b

Specification

ECSIT Antibody (C-term) - Product Information

Application	**WB, IF,E**
Primary Accession	Q9BQ95
Other Accession	NP_001135936.1, NP_057665.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**396-425**

ECSIT Antibody (C-term) - Additional Information

Gene ID 51295

Other Names
Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial, Protein SITPEC, ECSIT

Target/Specificity
This ECSIT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-425 amino acids from the C-terminal region of human ECSIT.

Dilution
WB~~1:1000
IF~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ECSIT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ECSIT Antibody (C-term) - Protein Information

Name ECSIT (HGNC:29548)

Function Adapter protein that plays a role in different signaling pathways including TLRs and IL-1 pathways or innate antiviral induction signaling. 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 (PubMed:25355951, PubMed:31281713). Once ubiquitinated, interacts with the dissociated RELA and NFKB1 proteins and translocates to the nucleus where it induces NF-kappa-B-dependent gene expression (PubMed:25355951). 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 (PubMed:25228397). Promotes proteolytic activation of MAP3K1. Involved in the BMP signaling pathway. Required for normal embryonic development (By similarity).

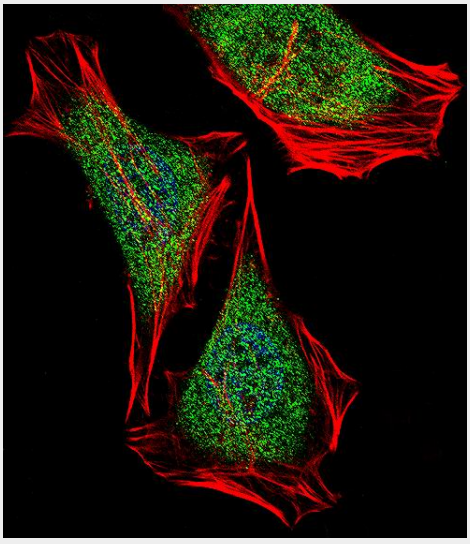
Cellular Location
Cytoplasm. Nucleus. Mitochondrion

ECSIT Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ECSIT Antibody (C-term) - Images



Fluorescent confocal image of Hela cell stained with ECSIT Antibody (C-term)(Cat#AP14858b).Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ECSIT primary antibody (1:25, 1 h at 37℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). ECSIT immunoreactivity is localized to Cytoplasm and Nucleus significantly.

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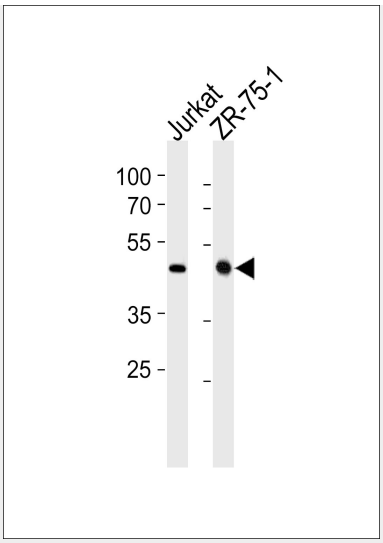

ECSIT Antibody (C-term) (Cat. #AP14858b) western blot analysis in Jurkat,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ECSIT antibody detected the ECSIT protein (arrow).

ECSIT Antibody (C-term) - Background

Adapter protein of the Toll-like and IL-1 receptor signaling pathway that is involved in the activation of NF-kappa-B via MAP3K1. Promotes proteolytic activation of MAP3K1. Involved in the BMP signaling pathway. Required for normal embryonic development (By similarity). Required for efficient assembly of mitochondrial NADH:ubiquinone oxidoreductase.

ECSIT Antibody (C-term) - References

Vogel, R.O., et al. Genes Dev. 21(5):615-624(2007)
Xiao, C., et al. Genes Dev. 17(23):2933-2949(2003)
Kopp, E., et al. Genes Dev. 13(16):2059-2071(1999)