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

ECSIT Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS11679

Specification

ECSIT Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q9BQ95
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49kDa KDa**

ECSIT Antibody (C-Terminus) - Additional Information

Gene ID 51295

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

Target/Specificity
peptide corresponding to 14 amino acids near the C-terminus of human ECSIT

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

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

ECSIT Antibody (C-Terminus) - 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).

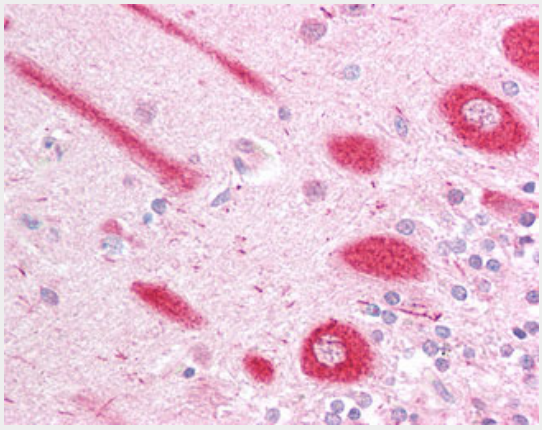
Cellular Location
Cytoplasm. Nucleus. Mitochondrion

ECSIT Antibody (C-Terminus) - 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-Terminus) - Images



Anti-ECSIT antibody IHC of human brain, cerebellum.

ECSIT Antibody (C-Terminus) - 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).

ECSIT Antibody (C-Terminus) - References

Fitzgerald S.N.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).
Vogel R.O.,et al.Genes Dev. 21:615-624(2007).