

ECSIT Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14858b**Specification**

ECSIT Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BQ95](#)**ECSIT Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 51295

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ECSIT Antibody (C-term) Blocking Peptide - Protein InformationName 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ECSIT Antibody (C-term) Blocking Peptide - Images

ECSIT Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)