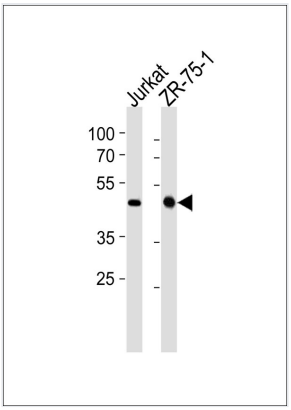
ECSIT Antibody – Rabbit Polyclonal

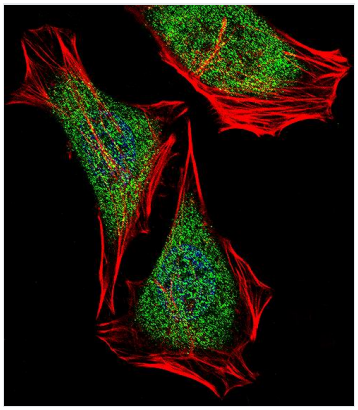
PRODUCT OVERVIEW

Product Name	ECSIT, Polyclonal Antibody
Full Product Name	ECSIT Antibody (C-term)
Product Gene Name	anti-ECSIT antibody
Product Synonym Names	Evolutionarily conserved signaling intermediate in Toll pathway; mitochondrial; Protein SITPEC; ECSIT
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ECSIT peptide (MBS9221170) is used for blocking the activity of ECSIT antibody (MBS9214861)
Molecular Weight	49148
Immunogen Sequence Positions	396-425
OMIM	608388
3D Structure	ModBase 3D Structure for Q9BQ95
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Product Categories/Family for anti-ECSIT antibody	Crown Antibodies; Immunology; Signal Transduction
Applications Tested/Suitable for anti-ECSIT antibody	Immunofluorescence (IF), ELISA (EIA), Western Blot (WB)
Application Notes for anti-ECSIT antibody	WB~~1:1000
Related Product Information for anti-ECSIT antibody	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.

Product References and Citations for anti-ECSIT antibody	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)
Other Notes	Small volumes of anti-ECSIT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ECSIT purchase	MBS9214861 is an antibody targeting ECSIT. Also known as ECSIT Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ECSIT antibody
ECSIT Antibody (C-term) western blot analysis in Jurkat,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ECSIT antibody detected the ECSIT protein (arrow).



Immunofluorescence (IF) of anti-ECSIT antibody
Fluorescent confocal image of Hela cell stained with ECSIT Antibody (C-term). 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 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). ECSIT immunoreactivity is localized to Cytoplasm and Nucleus significantly.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ECSIT. It may not necessarily be applicable to this product.

NCBI GI #	215599065
NCBI GeneID	51295
NCBI Accession #	NP_001135936.1
NCBI Related Accession #	NP_001135937.1; NP_057665.2
UniProt Primary Accession #	Q9BQ95
UniProt Secondary Accession #	Q96HQ7; Q9NYI1; E9PAN9; K7EMM0
UniProt Related Accession #	Q9BQ95
GenBank Nucleotide #	NM_001142464.2
NCBI Official Full Name	evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial isoform 2
NCBI Official Synonym Full Names	ECSIT signalling integrator
NCBI Official Symbol	ECSIT
NCBI Official Synonym Symbols	SITPEC
UniProt Protein Name	Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial
UniProt Synonym Protein Names	Protein SITPEC
Protein Family	Evolutionarily conserved signaling intermediate

UniProt Gene Name	ECSIT
UniProt Entry Name	ECSIT_HUMAN
NCBI Protein Information	evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial
UniProt Comments for ECSIT	ECSIT: 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. Required for efficient assembly of mitochondrial NADH:ubiquinone oxidoreductase. Belongs to the ECSIT family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; Adaptor/scaffold Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: nucleoplasm; transcription factor complex; mitochondrion; cytoplasm; nucleus Molecular Function: protein binding; oxidoreductase activity, acting on NADH or NADPH; signal transducer activity; transcription factor activity Biological Process: BMP signaling pathway; mesoderm formation; innate immune response; regulation of oxidoreductase activity
Research Articles on ECSIT	**1.** Data show that the ECSIT (evolutionarily conserved signaling intermediate in Toll pathways) complex, including MEKK7 (TAK1) and TNF receptor-associated factor 6 (TRAF6), plays a role in Toll-like receptor 4 -mediated signals to activate NF-kappa B.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ecsit/9214861