

Product datasheet for **TA306185**

ECSIT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ECSIT antibody can be used for detection of ECSIT by Western blot at 0.5 to 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ECSIT antibody was raised against a peptide corresponding to 14 amino acids near the C-terminus of human ECSIT.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	ECSIT Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ECSIT signalling integrator
Database Link:	NP_057665 Entrez Gene 51295 Human Q9BQ95



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Background:

Activation of NF- κ B as a result of Toll-like receptor (TLR) and IL-1 receptor signaling is a major component of innate immune responses (reviewed in 1). Signals from these receptors are relayed by a number of adapter molecules such as TRIF, TIRAP, and MyD88 (2) to kinases such as IRAK (3) and other intermediates such as TNF receptor associated factor (TRAF)-6 (4). ECSIT (evolutionarily conserved signaling intermediate in Toll pathways) was initially identified as a cytoplasmic protein interacting specifically with TNF receptor associated factor (TRAF)-6 in the TLR pathway (5). Recently however, ECSIT has also been shown to be required for bone morphogenetic protein (Bmp) signaling and mesoderm formation during mouse embryogenesis (6), indicating the possibility of cross-talk between the TLR/IL-B and Bmp signaling pathways.

Synonyms:

SITPEC