

Anti-ECSIT Antibody

Catalog Number: A07966

About ECSIT

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

Overview

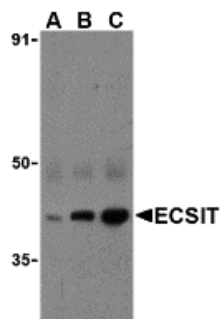
Product Name	Anti-ECSIT Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-ECSIT Antibody (Catalog # A07966). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	ECSIT Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ECSIT antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BQ95

Technical Details

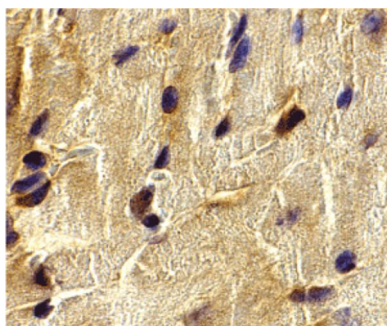
Immunogen	ECSIT antibody was raised against a peptide corresponding to 14 amino acids near the C-terminus of human ECSIT. The immunogen is located within amino acids 290 - 340 of ECSIT.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	Multiple isoforms of CAPS2 are known to exist. This CAPS2 antibody is predicted to be specific to CAPS2 and not recognize CAPS1.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	ECSIT Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ECSIT antibody can be used for detection of ECSIT by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL.</p> <p>Antibody validated: Western Blot in human samples and Immunohistochemistry in mouse samples.</p> <p>All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

Anti-ECSIT Antibody (A07966) Images



Western blot analysis of ECSIT in human heart cell lysates with ECSIT antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunohistochemistry of ECSIT in mouse heart cells with ECSIT antibody at 2 ug/mL.

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