

For Research Use Only

# ECSIT Recombinant antibody

Catalog Number: 83295-5-RR



## Basic Information

<b>Catalog Number:</b> 83295-5-RR	<b>GenBank Accession Number:</b> BC008279	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 51295	<b>CloneNo.:</b> 240223G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BQ95	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> ECSIT homolog (Drosophila)	
<b>Immunogen Catalog Number:</b> AG26898	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB:</b> HeLa cells, Jurkat cells, K-562 cells, A549 cells, HepG2 cells, HEK-293 cells <b>IF:</b> A431 cells,

## Background Information

ECSIT is a cytosolic adaptor protein associated with the toll-like receptor pathway. It has a distinct N-terminal mitochondrial targeting sequence, pentatricopeptide repeat motif, and a C-terminal pleckstrin homology domain. ECSIT regulates many biological processes like embryonic development, inflammation, cardiac function, and assembly of mitochondrial complex I. In macrophages, the activation of TLRs by inflammatory signals promotes the translocation of TRAF6 to mitochondria where it engages ECSIT to stimulate the production of mitochondrial reactive oxygen species (ROS).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

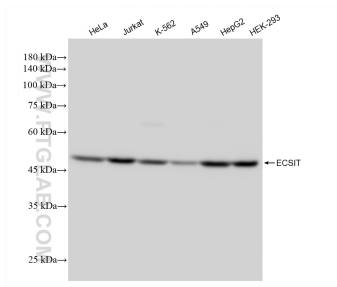
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

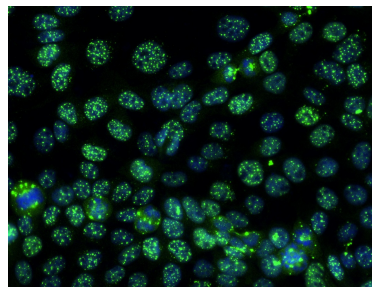
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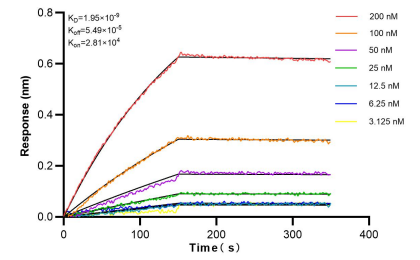
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83295-5-RR (ECSIT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ECSIT antibody (83295-5-RR, Clone: 240223G2) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 83295-5-RR against Human ECSIT were performed. The affinity constant is 1.95 nM.