

For Research Use Only

# ECSIT Polyclonal antibody

Catalog Number: 27548-1-AP



## Basic Information

<b>Catalog Number:</b> 27548-1-AP	<b>GenBank Accession Number:</b> BC008279	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51295	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BQ95	
<b>Isotype:</b> IgG	<b>Full Name:</b> ECSIT homolog (Drosophila)	
<b>Immunogen Catalog Number:</b> AG26877	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human, mouse

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, MCF-7 cells, mouse kidney tissue

**IHC :** human ovary cancer tissue,

## 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

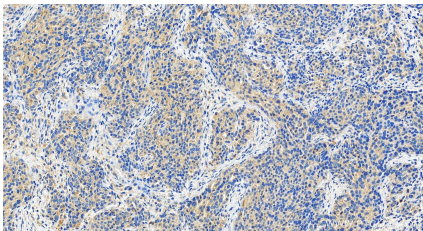
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

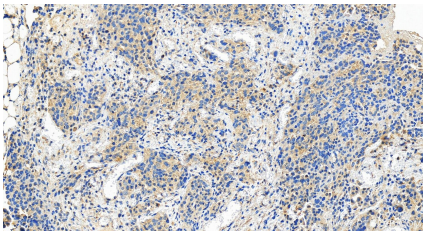
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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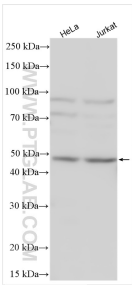
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 27548-1-AP (ECSIT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Various lysates were subjected to SDS PAGE followed by western blot with 27548-1-AP (ECSIT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.