

For Research Use Only

ECSIT Recombinant antibody

Catalog Number: 83295-1-RR



Basic Information

| | | |
|--------------------------------------|--|---|
| Catalog Number: 83295-1-RR | GenBank Accession Number: BC008279 | Purification Method: Protein A purification |
| Size: 1000 ug/ml | GeneID (NCBI): 51295 | CloneNo.: 240223A7 |
| Source: Rabbit | UNIPROT ID: Q9BQ95 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 |
| Isotype: IgG | Full Name: ECSIT homolog (Drosophila) | |
| Immunogen Catalog Number: AG26898 | Calculated MW: 49 kDa Observed MW: 49 kDa | |

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

**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, Jurkat cells, K-562 cells, A549 cells,
HepG2 cells, HEK-293 cells

IHC : human ovary cancer tissue, human intrahepatic
cholangiocarcinoma 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

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

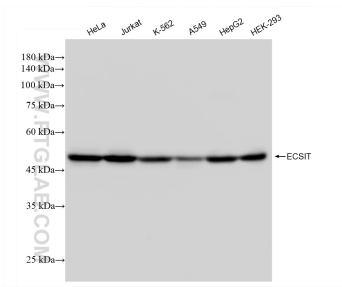
T: 4006900926

E: Proteintech-CN@ptglab.com

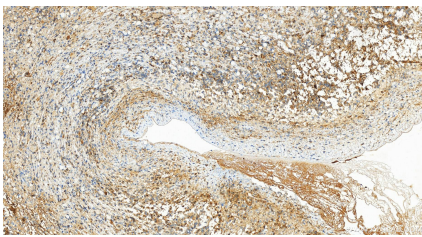
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

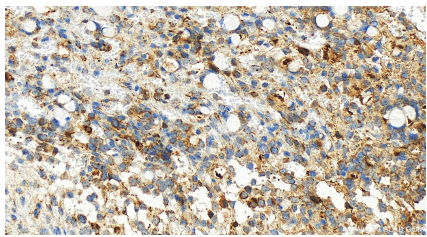
Selected Validation Data



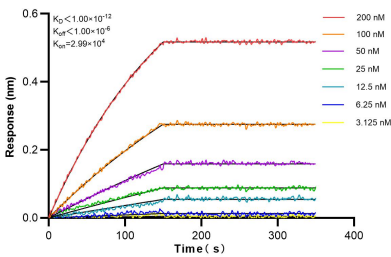
Various lysates were subjected to SDS PAGE followed by western blot with 83295-1-RR (ECSIT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83295-1-RR (ECSIT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83295-1-RR (ECSIT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83295-1-RR against Human ECSIT were performed. The affinity constant is below 1 pM.