

For Research Use Only

ECSIT Recombinant antibody

Catalog Number:83295-5-RR



Basic Information

Catalog Number: 83295-5-RR	GenBank Accession Number: BC008279	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51295	CloneNo.: 240223G2
Source: Rabbit	UNIPROT ID: Q9BQ95	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:125-1:500 IF/ICC 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, IF/ICC, FC (Intra), 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 intrahepatic cholangiocarcinoma tissue,

IF/ICC : 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

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

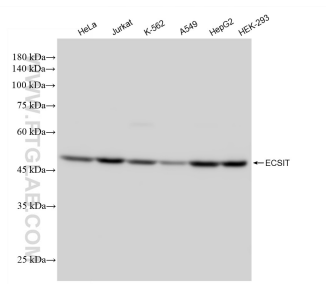
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

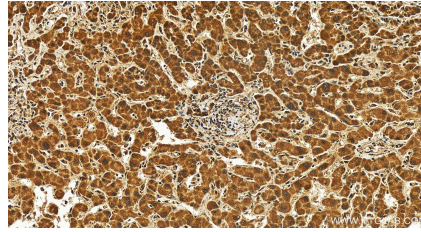
E: proteintech@ptglab.com
W: ptglab.com

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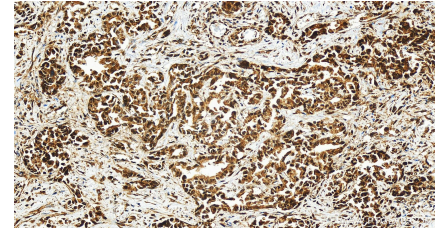
Selected Validation Data



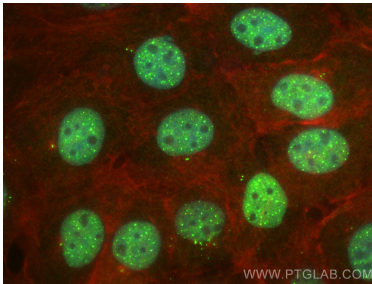
Various lysates were subjected to SDS PAGE followed by western blot with 83295-5-RR (ECSIT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



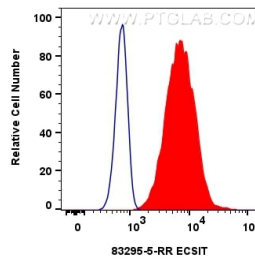
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83295-5-RR (ECSIT antibody) at dilution of 1:250 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



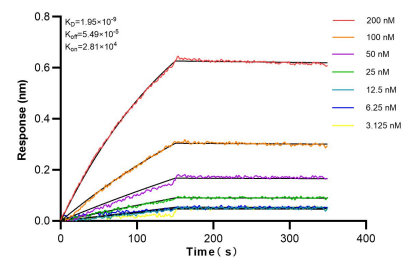
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83295-5-RR (ECSIT antibody) at dilution of 1:250 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ECSIT antibody (83295-5-RR, Clone: 240223G2) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug ECSIT Recombinant antibody (83295-5-RR, Clone:240223G2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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