

For Research Use Only

SLFN12 Polyclonal antibody

Catalog Number: 30550-1-AP



Basic Information

Catalog Number: 30550-1-AP	GenBank Accession Number: BC035605	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 55106	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:50-1:500
Isotype: IgG	UNIPROT ID: Q8IYM2	
Immunogen Catalog Number: AG31289	Full Name: schlafen family member 12	
	Calculated MW: 578 aa, 67 kDa	
	Observed MW: 67-70 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: DU 145 cells, HEK-293 cells, HeLa cells, U2OS cells

IHC: mouse placenta tissue,

Background Information

Schlafen family member 12 (SLFN12) is the only intermediate Schlafen protein expressed in humans (PMID: 31838790, PMID: 34571887). SLFN12 stimulates differentiation in enterocytes and prostate cancer cells, and its overexpression inhibits prostate cancer, triple-negative breast cancer (TNBC), and lung adenocarcinoma cell proliferation (PMID: 30045019, PMID: 24768141, PMID: 39594803). SLFN12 regulates human enterocytic differentiation by a pathway involving SERPB12, the deubiquitylases, and Cdx2 (PMID: 30045019). The expression of SLFN12 is increased throughout the process of T-cell activation (PMID: 28460425).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

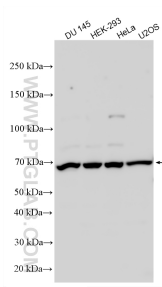
T: 4006900926

E: Proteintech-CN@ptglab.com

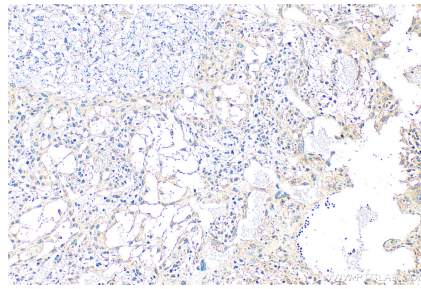
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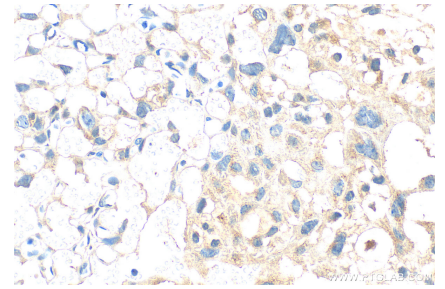
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30550-1-AP (SLFN12 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30550-1-AP (SLFN12 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 30550-1-AP (SLFN12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).