

For Research Use Only

SELENBP1 Polyclonal antibody

Catalog Number: 27449-1-AP



Basic Information

Catalog Number: 27449-1-AP	GenBank Accession Number: BC009084	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8991	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q13228	
Isotype: IgG	Full Name: selenium binding protein 1	
Immunogen Catalog Number: AG24453	Calculated MW: 52 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

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 : HEK-293 cells, mouse liver tissue, L02 cells, MCF-7 cells

IHC : human liver cancer tissue, rat liver tissue

Background Information

SELENBP1 (selenium binding protein 1, SBP1), also known as LPSB or SP56, is a 472 amino acid peripheral membrane protein that binds selenium covalently. Selenium, an essential trace element, has been shown to have an anti-cancer effect. Many reports have described a relationship between insufficient selenium intake and increased risk of cancer. Moreover, the expression of SELENBP1 has been shown to be decreased in several tumors including cancers of the prostate, lungs, colon, and ovary (PMID: 21143902, 20332323, 18272210). SELENBP1 has four isoforms with the molecular mass of 56kD, 52kD and 45kD.

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

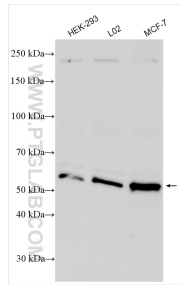
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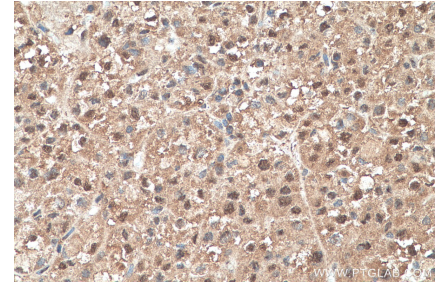
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27449-1-AP (SELENBP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27449-1-AP (SELENBP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27449-1-AP (SELENBP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).