

For Research Use Only

SERPINB3/4 Polyclonal antibody

Catalog Number: 26558-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 26558-1-AP	GenBank Accession Number: BC005224	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6317	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: serpin peptidase inhibitor, clade B (ovalbumin), member 3	
Isotype: IgG	Calculated MW: 390 aa, 45 kDa	
Immunogen Catalog Number: AG24846	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: HeLa cells, human saliva tissue, L02 cells, HepG2 cells
Cited Applications: IF, IHC, WB	
Species Specificity: human	
Cited Species: human	

Background Information

Squamous cell carcinoma antigens 1 and 2 (SCCA1 and 2, SERPIN B3 and B4) are members of the ovalbumin family of serine proteinase inhibitors. SCCA1 and SCCA2 are highly homologous proteins, 91% identical at the amino acid level, and probably evolving from a common ancestor gene. The neutral form of SCCA (SCCA1, or SERPINB3) is detected in the cytoplasm of normal and some malignant squamous cells, whereas the acidic form (SCCA2, or SERPINB4) is expressed primarily in malignant cells and is the major form found in the plasma of cancer patients. SCCA2 (SERPINB4), along with SCCA1 (SERPINB3), can be processed into smaller fragments that aggregate to form an autoantigen in psoriasis, probably by causing chronic inflammation. This antibody can recognize both SerpinB3 and SerpinB4.

Notable Publications

Author	Pubmed ID	Journal	Application
Erbao Bian	34696771	J Exp Clin Cancer Res	WB,IF
Zixian Huang	36382555	Adv Sci (Weinh)	WB,IHC,IF
Kuen-Yao Ho	32569142	Otol Neurotol	WB

Storage

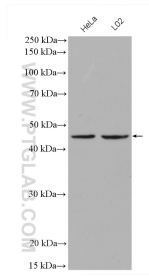
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



HeLa cells were subjected to SDS PAGE followed by western blot with 26558-1-AP (SERPINB3/4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.