For Research Use Only

Serpin B3/4 Recombinant antibody

Catalog Number:85807-2-RR

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Basic Information

Catalog Number:
85807-2-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG24846

GenBank Accession Number:
BC005224

GeneID (NCBI):
6317

UNIPROT ID:
P29508

Full Name:
serpin peptidase inhibitor, clade B (ovalbumin), member 3

Calculated MW:
390 aa, 45 kDa

Observed MW:
45 kDa

Purification Method:
Protein A purification

CloneNo.:
250057B3

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, L02 cells, A431 cells, HaCaT cells

Background Information

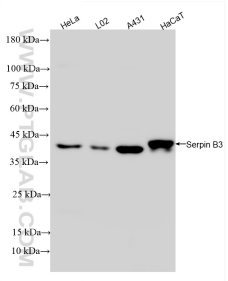
Squamous cell carcinoma antigens 1 and 2 (SCCA1 and 2, SERPIN B3 and B4) are members of the ovalbumin family of serine proteinase inhibitors. SCCA1 and SCCA2 are highly homologous proteins, 91% identical at the amino acid level, and probably evolving from a common ancestor gene. The neutral form of SCCA (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.

Storage

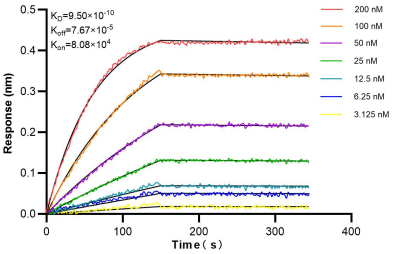
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85807-2-RR (SERPINB3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85807-2-RR against Human Serpin B3/4 were performed. The affinity constant is 0.95 nM.