For Research Use Only

SENP1 Recombinant antibody, PBS Only proteintech®

Catalog Number:83594-4-PBS

Antibodies | ELISA kits | Proteins Uni-rAb www.ptglab.com

| Basic Information | Catalog Number: 83594-4-PBS | GenBank Accession Number: BC045639 | Purification Method: Protein A purfication |
|---|---|---|---|
| | Size: 100ug, Concentration: 1 mg/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG18028 | GenelD (NCBI): 29843 | CloneNo.: 240478D3 |
| | | UNIPROT ID: Q9P0U3 | |
| | | Full Name: SUMO 1/sentrin specific peptidase 1 Calculated MW: 644 aa, 73 kDa | |
| | | | |
| | | Applications | Tested Applications: WB, IHC, ELISA |
| Species Specificity: human, mouse, rat | | | |
| Background Information | SENP1, Sentrin-specific protease 1, is a cysteine protease that specifically targets members of the small ubiquitin- like modifier (SUMO) protein family. SENP1 catalyzes two functions in the SUMO pathway (PMID: 29506078). The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides. The second is the deconjugation of SUMO 1, SUMO 2 and SUMO 3 from targeted proteins (PMID: 16253240). SENP1 is located in the nucleus and cytosol. | | |
| Storage | Storage: Store at -80°C. Storage Buffer: PBS Only | | |
| | | | |
| | | | |

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data





Immunohistochemical analysis of paraffinembedded human ovarian cancer slide using 83594-4-RR (SENP1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83594-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83594-4-RR against Human SENP1 were performed. The affinity constant is below 1 pM.

Various lysates were subjected to SDS PAGE followed by western blot with 83594-4-RR (SENP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83594-4-PBS in a different storage buffer formulation.