

Datasheet for ABIN7193617

anti-Prosaposin antibody (AA 17-216)

8 Images

[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 0.1 mg |
| Target: | Prosaposin (PSAP) |
| Binding Specificity: | AA 17-216 |
| Reactivity: | Human, Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Prosaposin antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC) |

Product Details

| | |
|---------------|--|
| Immunogen: | Purified recombinant fragment of human PSAP (AA: 17-216) expressed in E. coli. |
| Clone: | 3B4A8 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|---|
| Target: | Prosaposin (PSAP) |
| Alternative Name: | PSAP (PSAP Products) |
| Background: | Description: This gene encodes a highly conserved preproprotein that is proteolytically |

Target Details

processed to generate four main cleavage products including saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Aliases: GLBA, SAP1, SAP2

Molecular Weight: 58.1 kDa

Gene ID: 5660

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: WB:1:500 - 1:2000, IHC:1:200 - 1:1000, ICC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

Handling

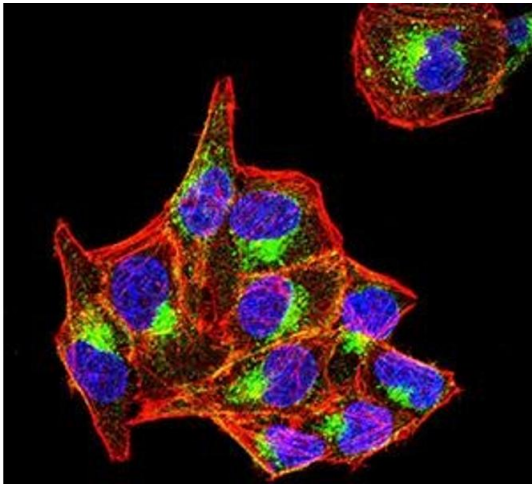
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

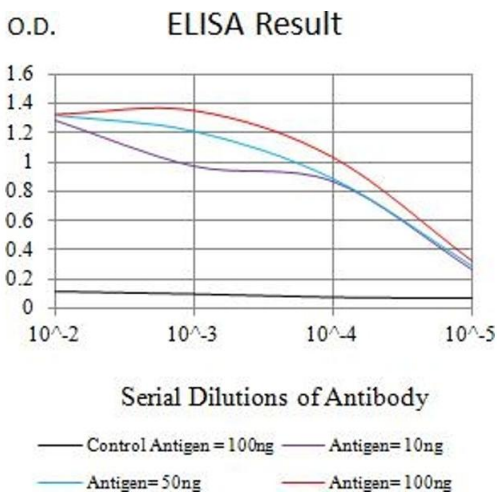
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



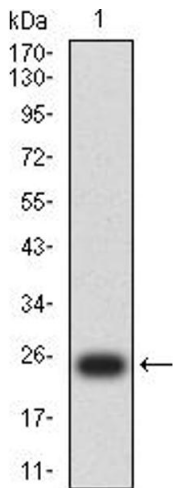
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using PSAP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using PSAP mAb against human PSAP (AA: 17-216) recombinant protein. (Expected MW is 24.9 kDa)

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN7193617.