

Product Datasheet

Serine Palmitoyltransferase 2 Antibody - BSA Free NBP1-76573

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-76573**Serine Palmitoyltransferase 2 Antibody - BSA Free**

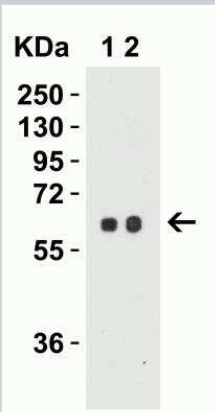
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	63 kDa

Product Description	
Host	Rabbit
Gene ID	9517
Gene Symbol	SPTLC2
Species	Human, Mouse
Specificity/Sensitivity	Serine Palmitoyltransferase 2 antibody is predicted to not cross-react with SPT1. Human Serine Palmitoyltransferase 2 has one isoform (562aa, 63kD). Mouse Serine Palmitoyltransferase 2 has one isoform (560aa, 63kD) and Rat Serine Palmitoyltransferase 2 also has one isoform (560aa, 63kD). NBP1-76573 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 15 amino acids near the carboxy terminus of human Serine Palmitoyltransferase 2. The immunogen is located within the last 50 amino acids of Serine Palmitoyltransferase 2. Amino Acid Sequence: LDRPFDETTYEETED

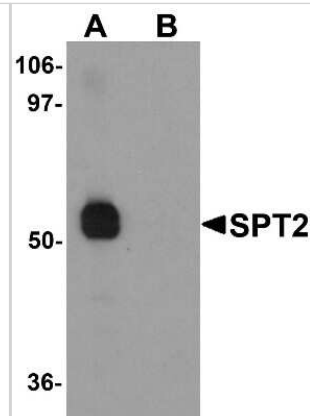
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunocytochemistry
Recommended Dilutions	Western Blot 0.5-1 ug/mL, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 10-20 ug/ml, Immunocytochemistry 10 ug/mL

Images

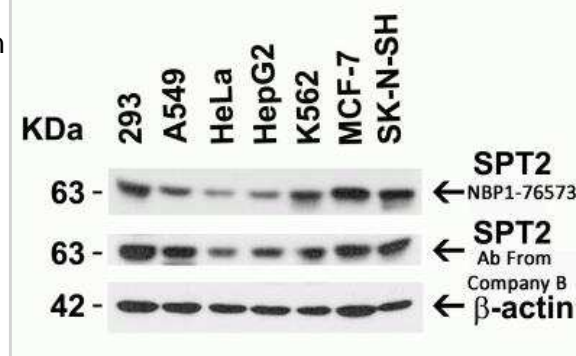
Western Blot: Serine Palmitoyltransferase 2 Antibody [NBP1-76573] - Western Blot Validation in Mouse 3T3/NIH Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: Serine Palmitoyltransferase 2, NBP1-76573 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



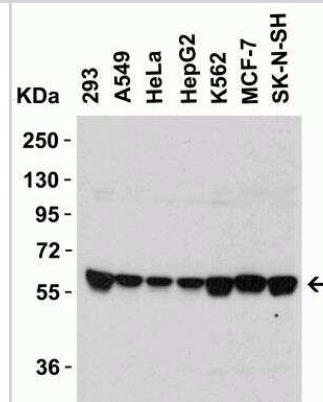
Western Blot: Serine Palmitoyltransferase 2 Antibody [NBP1-76573] - 3T3 cell lysate with Serine Palmitoyltransferase 2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



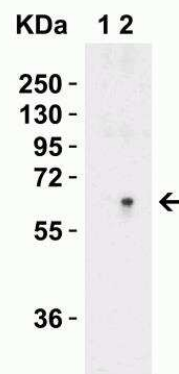
Western Blot: Serine Palmitoyltransferase 2 Antibody [NBP1-76573] - Independent Antibody Validation via Protein Expression Profile in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Serine Palmitoyltransferase 2, NBP1-76573 (1 ug/ml), Serine Palmitoyltransferase 2 from Company B (1 ug/ml), and beta-actin (1 ug/ml), 1h incubation at RT in 5% NFD/MTBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: Serine Palmitoyltransferase 2 Antibody [NBP1-76573] - Western Blot Validation in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Serine Palmitoyltransferase 2, NBP1-76573 (1 ug/mL), 1h incubation at RT in 5% NFD/MTBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



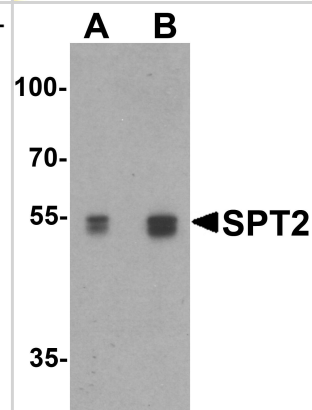
Western Blot: Serine Palmitoyltransferase 2 Antibody [NBP1-76573] - Western Blot Validation in Human Brain Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: Serine Palmitoyltransferase 2, NBP1-76573 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFD/MTBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



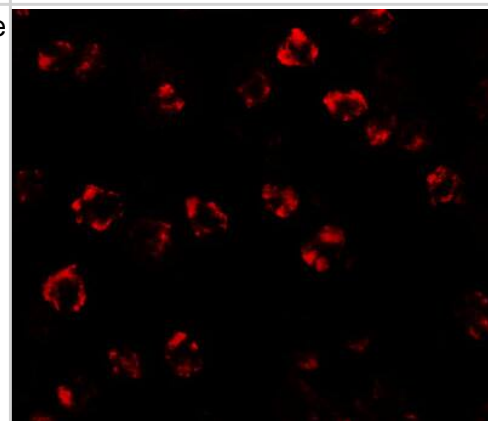
Immunocytochemistry/ Immunofluorescence: Serine Palmitoyltransferase 2 Antibody - BSA Free [NBP1-76573] - Validation of Serine Palmitoyltransferase 2 in Mouse 3T3 Cells. Immunocytochemical analysis of 3T3 cells using anti-Serine Palmitoyltransferase 2 antibody at 10 ug/ml. Cells was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Western Blot: Serine Palmitoyltransferase 2 Antibody - BSA Free [NBP1-76573] - Validation in Mouse 3T3 Cell Lysate in (A) the absence and (B) the presence of blocking peptide. Loading: 15 ug of lysates per lane. Antibodies: Serine Palmitoyltransferase 2, (0.5 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: Serine Palmitoyltransferase 2 Antibody - BSA Free [NBP1-76573] - Validation of Serine Palmitoyltransferase 2 in Mouse 3T3 Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed 3T3 Cells labeling Serine Palmitoyltransferase 2 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).





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Products Related to NBP1-76573

NBP1-76573PEP	Serine Palmitoyltransferase 2 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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