Product Datasheet

ASPA Antibody - BSA Free
NBP1-31754

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 3/4/2026 v.20.1

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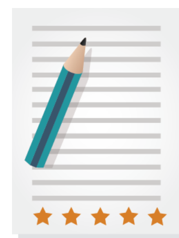


NBP1-31754

ASPA Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	36 kDa

Product Description

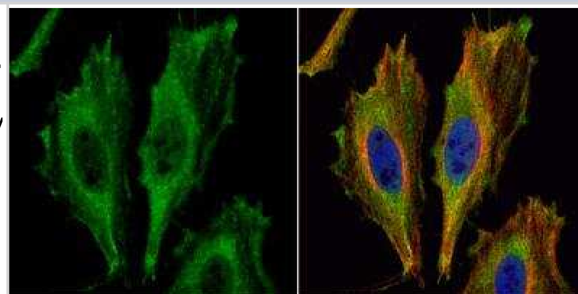
Host	Rabbit
Gene ID	443
Gene Symbol	ASPA
Species	Human, Mouse, Monkey
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (85%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human ASPA. The exact sequence is proprietary.

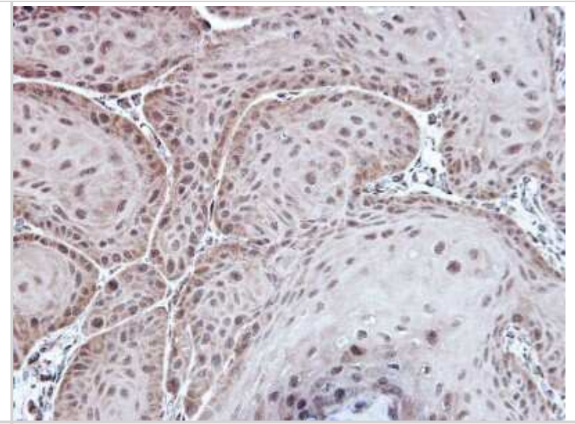
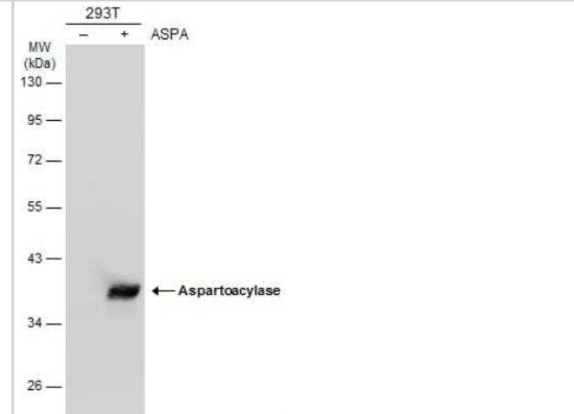
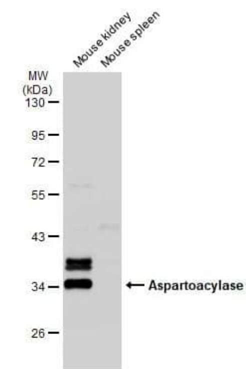
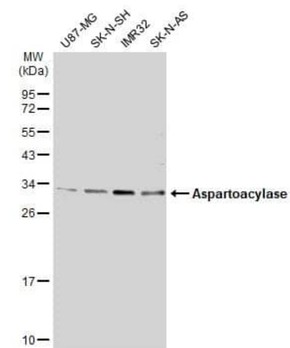
Product Application Details

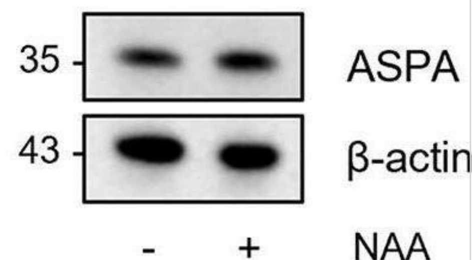
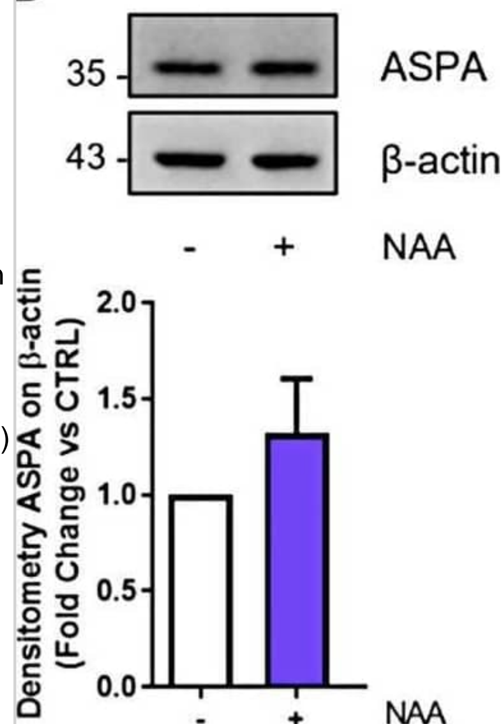
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

Images

Immunocytochemistry/Immunofluorescence: ASPA Antibody [NBP1-31754] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Aspartoacylase protein stained by partoacylase antibody [N1C3-2] diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody diluted at 1:1000. Blue: Hoechst 33342 staining.



Immunohistochemistry-Paraffin: ASPA Antibody [NBP1-31754] - Cal27 xenograft, using Aspartoacylase antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.	
Western Blot: ASPA Antibody [NBP1-31754] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Aspartoacylase antibody [N1C3-2] diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.	
Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with ASPA antibody [N1C3-2] (NBP1-31754) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.	
Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with ASPA antibody [N1C3-2] (NBP1-31754) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.	

NAA enhances lipid turnover and phagocytic activity in primary microglial cells treated for 1 week. (A) Representative Western blot of ASPA levels. β-Actin was used as loading control. Bar graph (right) refers to the densitometry analysis (n = 3). (B) RT-qPCR analysis of HDAC1 mRNA. ACTB was used as reference gene. Data are shown as fold change vs. CTRL (n = 3; *p < 0.05 vs. CTRL). (C) Representative images of immunofluorescence analysis of lipid droplet content after Oil red O staining in microglial cells pre-treated with 200 uM NAA for 1 week and 40 uM ATGLi for 24 h. Bar graph (right) refers to the immunofluorescence quantification (n = 3; **p < 0.01; ***p < 0.001 as indicated). (D) RT-qPCR analysis of genes involved in β-oxidation. ACTB was used as reference gene. Data are shown as fold change vs. CTRL, which was represented by a dashed line in the bar graph (n = 3; *p < 0.05 vs. CTRL). (E) Representative images and quantification (right) of phagocytic activity tested by using fluorescent latex beads (n = 3; *p < 0.05 vs. CTRL) Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/39587614), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
NAA enhances lipid metabolism and phagocytic activity in BV2 cells treated for 1 week. (A) Representative images of immunofluorescence analysis of lipid droplet content after Oil red O staining in BV2 cells treated for 24 h with 40 uM ATGLi. Bar graph (right) refers to the immunofluorescence quantification (n = 3; *p < 0.05; **p < 0.01; ***p < 0.001 as indicated). (B) RT-qPCR analysis of genes involved in β-oxidation. ACTB was used as reference gene. Data are shown as fold change vs. CTRL, which was represented by a dashed line in the bar graph (n = 3; *p < 0.05 vs. CTRL). (C) Determination of NAA levels by HPLC analysis (n = 4; **p < 0.01 vs. CTRL). (D) Representative Western blot of ASPA levels. β-Actin was used as loading control. Bar graph (below) refers to the densitometry analysis (n = 3). Determination of Acetyl-CoA (E) and Malonyl-CoA (F) levels by HPLC analysis (n = 4; **p < 0.01; ***p < 0.001 vs. CTRL). (G) Representative Western blot of HK2 and PKM2 levels. β-Actin was used as loading control. Bar graph (below) refers to the densitometry analysis (n = 3; *p < 0.05 vs. CTRL). (H) Evaluation of extracellular lactate content normalized on total proteins (n = 3; * p < 0.05 vs. CTRL). (I) Representative images and quantification (right) of phagocytic activity using green fluorescent latex beads (n = 3; *p < 0.05 vs. CTRL) Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/39587614), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

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NBP1-99096-100ug	Recombinant Human ASPA His Protein

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