

Rabbit ASPA Polyclonal Antibody | anti-ASPA antibody

ASPA Antibody (N-term)

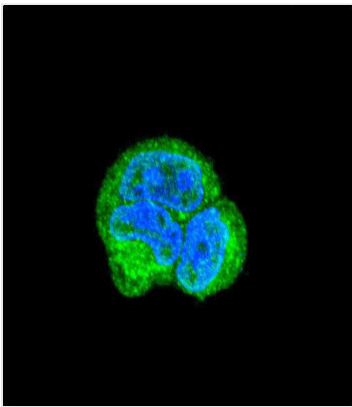
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286635	Rabbit	Human (Predicted Reactivity: Bovine)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

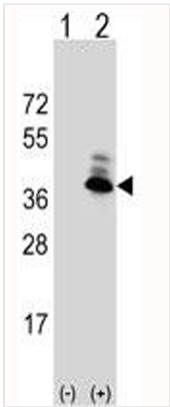
ASPA; Polyclonal Antibody; ASPA Antibody (N-term); Aspartoacylase; Aminoacylase-2; ACY-2; ACY2; ASP; anti-ASPA antibody

PRODUCT SPECIFICATIONS

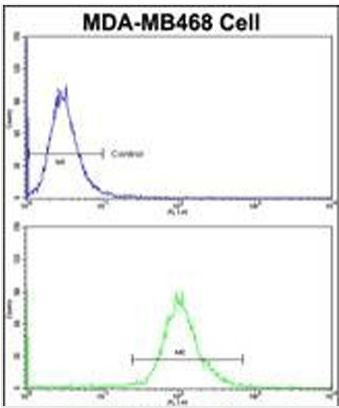
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ASPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the N-terminal region of human ASPA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-ASPA antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Catalyzes the deacetylation of N-acetylaspartic acid (NAA) to produce acetate and L-aspartate. NAA occurs in high concentration in brain and its hydrolysis NAA plays a significant part in the maintenance of intact white matter. In other tissues it act as a scavenger of NAA from body fluids.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Brain white matter, skeletal muscle, kidney, adrenal glands, lung and liver.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



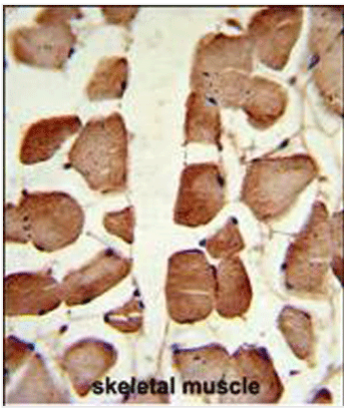
IF (Immunofluorescence)
Confocal immunofluorescent analysis of ASPA Antibody (N-term) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



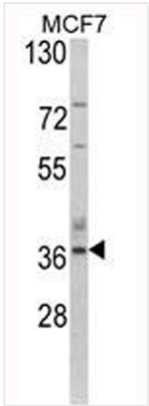
WB (Western Blot)
Western blot analysis of ASPA (arrow) using rabbit polyclonal ASPA Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ASPA gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MDA-MB468 cells using ASPA Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ASPA Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ASPA Antibody (N-term) in MCF7 cell line lysates (35ug/lane). ASPA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ASPAs antibody

ASPAs is an enzyme that catalyzes the conversion of N-acetyl_L-aspartic acid (NAA) to aspartate and acetate. NAA is abundant in the brain where hydrolysis by aspartoacylase is thought to help maintain white matter. This protein is an NAA scavenger in other tissues.

Product Categories/Family for anti-ASPA antibody	Metabolism; Neuroscience; Signal Transduction
References	Bitto,E., et.al., Proc. Natl. Acad. Sci. U.S.A. 104 (2), 456-461 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557335
NCBI GeneID	443
NCBI Accession #	NP_000040.1; NP_001121557.1
NCBI GenBank Nucleotide #	NM_000049.2
UniProt Accession #	P45381
Molecular Weight	35735
NCBI Official Full Name	aspartoacylase
NCBI Official Synonym Full Names	aspartoacylase
NCBI Official Symbol	ASPA
NCBI Official Synonym Symbols	ASP; ACY2
NCBI Protein Information	aspartoacylase
UniProt Protein Name	Aspartoacylase
UniProt Gene Name	ASPA
UniProt Synonym Gene Names	ACY2; ASP; ACY-2
UniProt Entry Name	ACY2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aspa-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/286635>