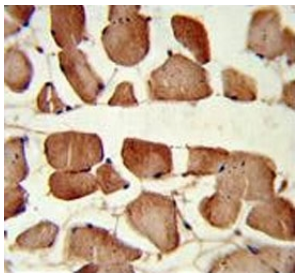
Aspartoacylase Antibody / ASPA (F54432)

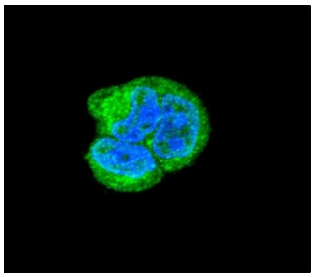
Catalog No.	Formulation	Size
F54432-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54432-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

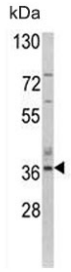
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P45381
Localization	Nuclear, cytoplasmic
Applications	Immunofluorescence: 1:25 Western blot: 1:500-1:2000 Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25
Limitations	This Aspartoacylase antibody is available for research use only.



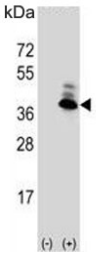
IHC testing of FFPE human skeletal muscle tissue with Aspartoacylase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



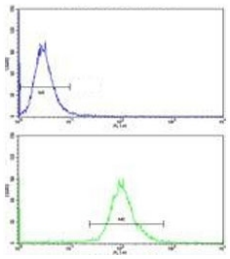
Immunofluorescent staining of fixed and permeabilized human MCF7 cells with Aspartoacylase antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human MCF7 cell lysate with Aspartoacylase antibody. Predicted molecular weight ~36 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Aspartoacylase antibody.



Flow cytometry testing of human MDA-MB-468 cells with Aspartoacylase antibody; Blue=isotype control, Green= Aspartoacylase antibody.

Description

ASPA 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Aspartoacylase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 82-110 from the human protein was used as the immunogen for the Aspartoacylase antibody.

Storage

Aliquot the Aspartoacylase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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