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Product datasheet for TA805326AM

ASPA Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI5C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5C7
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 77-313 of human ASPA (NP_000040) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.6 kDa
Gene Name:	aspartoacylase
Database Link:	NP_000040 Entrez Gene 11484 MouseEntrez Gene 79251 RatEntrez Gene 443 Human P45381
Background:	This gene encodes 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. Mutations in this gene cause Canavan disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

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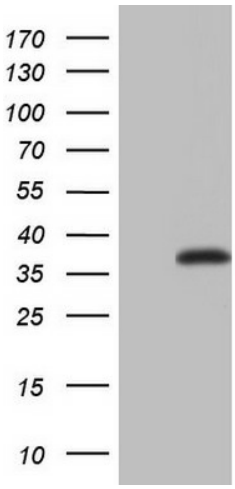
Synonyms: ACY2; ASP

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Histidine metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ASPA ([RC206564], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASPA. Positive lysates [LY424954] (100ug) and [LC424954] (20ug) can be purchased separately from OriGene.