



Mouse anti-Human ASPA monoclonal antibody, clone 4D22 (CABT-B9805)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ASPA (NP_000040, 1 a.a. ~ 101 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4D22
Conjugate	Unconjugated
Applications	WB, IF, sELISA, ELISA
Sequence Similarities	MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRTGLEVKPFI TNPRAVKK CTRYIDCDLNRIFDLENLGKKMSEDPYEVRRQAQEINHLF*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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]

Keywords ASPA; aspartoacylase; ASP; ACY2; ACY-2; aminoacylase 2; aminoacylase-2;

GENE INFORMATION

Entrez Gene ID	443
UniProt ID	Q6FH48
Pathway	Alanine and aspartate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem
Function	aminoacylase activity; aspartoacylase activity; hydrolase activity, acting on ester bonds; metal ion binding
