Datasheet for ABIN453085

anti-HADHA antibody (C-Term)

3 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	HADHA
Binding Specificity:	AA 734-763, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HADHA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 734~763 amino acids from the C-terminal region of human HADHA
Specificity:	This antibody recognizes Human and Mouse HADHA (C-term).
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Protein A Chromatography, followed by peptide affinity purification

Target Details

Target:	HADHA
Alternative Name:	HADHA (HADHA Products)

Target Details

Background:	Mitochondrial Trifunctional Protein (TFP) is a multienzyme complex of the beta-oxidation cycle. TFP deficiency is a clinically heterogeneous disorder with phenotypes of different severity. The spectrum of diseases range from severe neonatal/infantile cardiomyopathy and early death to mild chronic progressive sensorimotor poly-neuropathy with episodic rhabdomyolysis. Human TFP is an octomer composed of four alpha-subunits and four beta-subunits. Mutations in either subunits may result in general TFP deficiency with reduced activity of all enzymes. HADHA is the alpha subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the alpha subunit catalyzing the 3-hydroxyacyl-CoA dehydrogenase and enoyl-CoA hydratase activities.Synonyms: HADH, Long chain 3-hydroxyacyl-CoA dehydrogenase, Long-chain enoyl-CoA hydratase, TP-alpha, Trifunctional enzyme subunit alpha mitochondrial
Gene ID:	3030
NCBI Accession:	NP_000173
UniProt:	P40939
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	ELISA: 1/1,000Western blotting: 1/100approx. 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

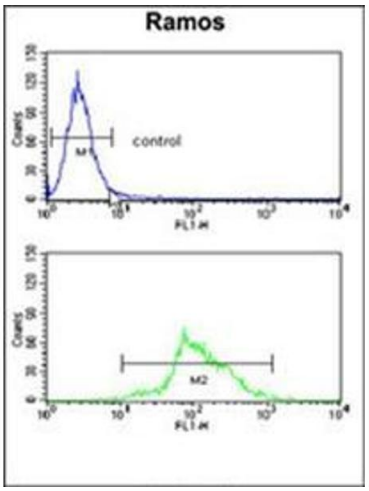
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

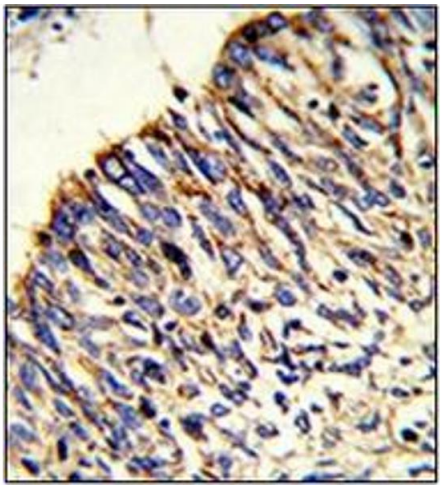
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



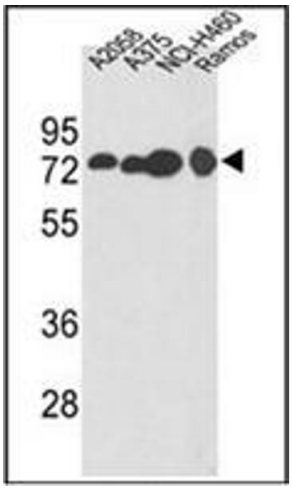
Flow Cytometry

Image 1. Flow cytometry analysis of Ramos cells using HADHA Antibody (C-term) Cat.-No AP17454PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HADHA Antibody (C-term) followed 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.



Western Blotting

Image 3. Western blot analysis of HADHA Antibody (C-term) in A2058, A375, NCI-H460, Ramos cell line lysates (35ug/lane). HADHA (arrow) was detected using the purified Pab