

Anti-ALDH3B2 Antibody

Catalog # AP51720

Product Information

Application	WB, IF/IC
Primary Accession	P48448
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42635

Additional Information

Gene ID	222
Other Names	ALDH8; Aldehyde dehydrogenase family 3 member B2; Aldehyde dehydrogenase 8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ALDH3B2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

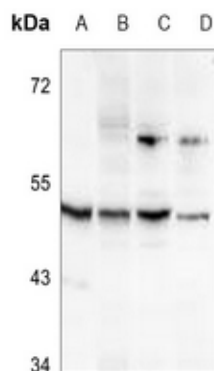
Name	ALDH3B2
Synonyms	ALDH8
Function	Oxidizes medium and long chain fatty aldehydes in lipid droplets into non-toxic fatty acids.
Cellular Location	Lipid droplet {ECO:0000250 UniProtKB:E9Q3E1}.
Tissue Location	Salivary gland (PubMed:8890755). Expressed at protein level in placenta (PubMed:31847104)

References

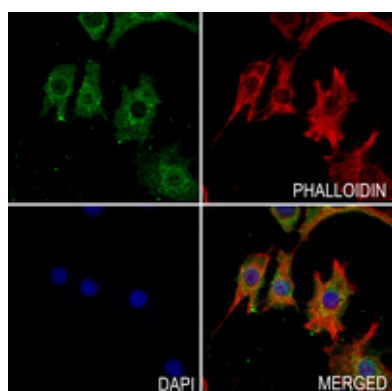
Hsu L.C.,et al.Adv. Exp. Med. Biol. 372:159-168(1995).

Hsu L.C.,et al.Gene 174:319-322(1996).
 Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
 Ota T.,et al.Nat. Genet. 36:40-45(2004).
 Taylor T.D.,et al.Nature 440:497-500(2006).

Images



Western blot analysis of ALDH3B2 expression in mouse brain (A), SGC7901 (B), A549 (C), U87MG (D) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 48 kD)



Immunofluorescent analysis of ALDH3B2 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.