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Datasheet for ABIN571251 anti-P5CS antibody (C-Term)

Overview

Quantity:	100 µg
Target:	P5CS (ALDH18A1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This P5CS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ALDH18A1
Immunogen:	C-SEHGSLKYLH
Sequence:	SEHGSLKYLH
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_002851.2, NP_001017423.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	P5CS (ALDH18A1)
Alternative Name:	ALDH18A1 (ALDH18A1 Products)
Background:	ALDH18A1, aldehyde dehydrogenase 18 family, member A1, GSAS, MGC117316, P5CS, PYCS, aldehyde dehydrogenase 18A1, delta1-pyrroline-5-carboxylate synthetase, pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)
Gene ID:	5832, 56454, 361755
NCBI Accession:	NP_002851 , NP_001017423

Application Details

Application Notes:	Western Blot: Approx 85 kDa band observed in lysates of cell lines NIH3T3 and MCF7 (calculated MW of 87.3 kDa according to NP_002851.2). Recommended concentration: 1-3 µg/mL. Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.