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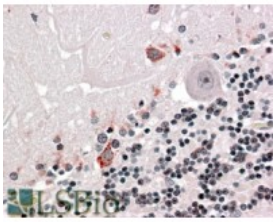
PRODH Antibody

CATALOG NUMBER: 46-226



Immunohistochemistry (3.8ug/ml) staining of paraffin embedded Human CerImmunohistochemistry. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P
APPLICATIONS:	ELISA: antibody detection limit dilution 1:16000. Western Blot: Preliminary experiments gave bands at approx 85kDa and 25kDa in Human Brain lysates after 1ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated siz Immunohistochemistry: In paraffin embedded Cerebellum shows mitochondrial staining in smaller neurons. Recommended concentration, 3-6ug/ml.
IMMUNOGEN:	PRODH antibody was raised against a 15 amino acid synthetic peptide near the internal region of PRODH.
HOST SPECIES:	Goat

Properties

PURIFICATION:	PRODH antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	PRODH antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PRODH, proline dehydrogenase (oxidase) 1, HSPOX2, PIG6, PRODH1, PRODH2, SCZD4, TP53I6, FLJ33744, MGC148078, MGC148079, Proline oxidase, mitochondrial, p53 induced protein, proline dehydrogenase (proline oxidase), proline oxidase 2, tumor protein p53 inducible protein 6, POX2
ACCESSION NO.:	NP_057419.2

PROTEIN GI NO.:	19924111
OFFICIAL SYMBOL:	PRODH
GENE ID:	5625

Background

REFERENCES:	1) Paterlini M, Zakharenko SS, Lai WS, Qin J, Zhang H, Mukai J, Westphal KG, Olivier B, Sulzer D, Pavlidis P, Siegelbaum SA, Karayiorgou M, Gogos JA. Transcriptional and behavioral interaction between 22q11.2 orthologs modulates schizophrenia-related phenotypes in mice. Nat Neurosci. 2005 Nov;8(11):1586-94. Epub 2005 Oct 23.

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