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Rabbit Anti-HDHD2B antibody

SL8319R

Product Name:	HDHD2B
Chinese Name:	HDHD2B蛋白抗体
Alias:	FLJ44846; FLJ46044; HDHD2B; hLHPP; lhpp; LHPP_HUMAN; Phospholysine phosphohistidine inorganic pyrophosphate phosphatase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HDHD2B/LHPP:171-270/270
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	LHPP, also known as HDHD2B, is a 270 amino acid protein that exists as a homodimer and is a member of the HAD-like hydrolase superfamily. Expressed in liver, kidney and moderately in brain, LHPP is encoded by a gene located on 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman’s

syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

Function:
Phosphatase that hydrolyzes imidodiphosphate, 3-phosphohistidine and 6-phospholysine. Has broad substrate specificity and can also hydrolyze inorganic diphosphate, but with lower efficiency (By similarity).

Subunit:
Homodimer.

Subcellular Location:
Cytoplasm. Nucleus.

Tissue Specificity:
Expressed in brain, and at lower levels in liver and kidney. Detected in thyroid (at protein level). Expressed in liver, kidney and moderately in brain.

Similarity:
Belongs to the HAD-like hydrolase superfamily.

SWISS:
Q9H008

Gene ID:
64077

Database links:

Entrez Gene: 64077 Human

Entrez Gene: 76429 Mouse

Entrez Gene: 361663 Rat

SwissProt: Q9H008 Human

SwissProt: Q9D7I5 Mouse

SwissProt: Q5I0D5 Rat

Unigene: 527748 Human

Unigene: 276721 Mouse

Unigene: 15275 Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.