

HOGA1 Rabbit pAb

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Catalog # AP56665

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q86XE5
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35249
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOGA1
Epitope Specificity	26-130/327
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DHDPSL is a 327 amino acid mitochondrial protein that catalyzes the last step in the hydroxyproline metabolic pathway. Existing as two alternatively spliced isoforms, DHDPSL is expressed in kidney and liver and is inhibited by divalent cations. Defects in the gene that encode DHDPSL are the cause of primary hyperoxalurea type III (HP3), a disorder of calcium oxalate nephrolithiasis. Patients with HP3 excrete urine with elevated levels of oxalate and L-glycerate. The DHDPSL gene maps to human chromosome 10, which contains over 800 genes and 135 million nucleotides. 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

Additional Information

Gene ID	112817
Other Names	4-hydroxy-2-oxoglutarate aldolase, mitochondrial, 4.1.3.16, Dihydropicolinate synthase-like, DHDPs-like protein, Probable 2-keto-4-hydroxyglutarate aldolase, Probable KHG-aldolase, Protein 569272, HOGA1, C10orf65, DHDPSL
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

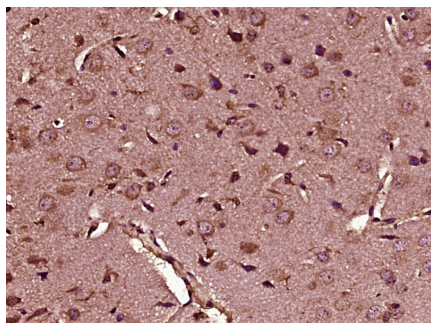
Protein Information

Name	HOGA1
Synonyms	C10orf65, DHDP5L
Function	Catalyzes the final step in the metabolic pathway of hydroxyproline.
Cellular Location	Mitochondrion {ECO:0000250 UniProtKB:Q0P5I5}.

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HOGA1) Polyclonal Antibody, Unconjugated (AP56665) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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