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LCTL Rabbit pAb

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Catalog # AP56988

Product Information

Application	WB
Primary Accession	Q6UWM7
Reactivity	Mouse
Predicted	Rat, Human, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65088
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LCTL
Epitope Specificity	431-530/567
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of family 1 glycosidases. Glycosidases are enzymes that hydrolyze glycosidic bonds and are classified into families based on primary amino acid sequence. Most members of family 1 have two conserved glutamic acid residues, which are required for enzymatic activity. The mouse ortholog of this protein has been characterized and has a domain structure of an N-terminal signal peptide, glycosidase domain, transmembrane domain, and a short cytoplasmic tail. It lacks one of the conserved glutamic acid residues important for catalysis, and its function remains to be determined (PMID: 12084582). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Additional Information

Gene ID	197021
Other Names	Lactase-like protein, Klotho/lactase-phlorizin hydrolase-related protein, LCTL, KLPH
Dilution	WB=1:500-2000
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.

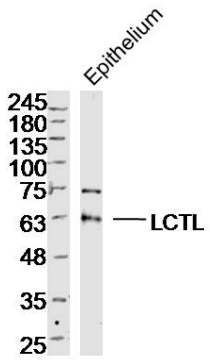
Protein Information

Name	LCTL
Synonyms	KLPH
Function	Plays a role in formation of the lens suture in the eye, which is important for normal optical properties of the lens.
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein

Background

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Images



Sample: Epithelium (Mouse) Lysate at 40 ug
Primary: Anti-LCTL (AP56988) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 63 kD
Observed band size: 63 kD

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