

LMBRD2 Rabbit pAb

LMBRD2 Rabbit pAb

Catalog # AP57033

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q68DH5
Predicted	Rat, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81172
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LMBRD2
Epitope Specificity	551-650/695
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	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Vitamin B12 (cobalamin) is essential in animals and humans for metabolism of methylmalonic acid, for the remethylation of homocysteine to methionine and, consequently, for all S-adenosylmethionine-dependent methylation reactions, including DNA synthesis. The lysosomal cobalamin transporter is required for the export cobalamin from lysosomes allowing its conversion to cofactors. Defects in LMBRD1 are the cause of methylmalonic aciduria and homocystinuria type cb1F (MMAFHC), also known as homocystinuria-megaloblastic anemia complementation type F. MMAFHC is a disorder of cobalamin metabolism characterized by decreased levels of the coenzymes adenosylcobalamin (AdoCbl) and methylcobalamin (MeCbl) due to accumulation of cobalamin in lysosomes. Clinical features of MMAFHC include developmental delay, stomatitis, glossitis, seizures and methylmalonic aciduria in response to vitamin B12. LMBRD2 (LMBR1 domain containing 2) is a 695 amino acid multi-membrane protein that may have similar functions as LMBR1.

Additional Information

Gene ID	92255
Other Names	G-protein coupled receptor-associated protein LMBRD2, LMBR1 domain-containing protein 2 {ECO:0000312 HGNC:HGNC:25287}, LMBRD2 (HGNC:25287)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

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	LMBRD2 (HGNC:25287)
Function	Recruited to ligand-activated beta-2 adrenergic receptor/ADRB2, it negatively regulates the adrenergic receptor signaling pathway (PubMed: 28388415). May also regulate other G protein coupled receptors including type-1 angiotensin II receptor/AGTR1 (Probable).
Cellular Location	Cell membrane; Multi-pass membrane protein

Background

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

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