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LYPD1 Rabbit pAb

Catalog # AP99203

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8N2G4
Other Accession	Q8N2G4
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15240
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LYPD1
Epitope Specificity	51-141/141
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 UPAR/Ly6 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LYPD1 is a 141 amino acid protein that contains one UPAR/Ly6 domain. LYPD1 is a cell membrane protein expressed as three isoforms and encoded by a gene mapping to human chromosome 2. As the second largest human chromosome, chromosome 2 makes up approximately 8% of the human genome and contains 237 million bases encoding over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr鰐 syndrome, is related to mutations in the ALMS1 gene. Chromosome 2 contains a probable vestigial second centromere as well as vestigial telomeres, which gives credence to the hypothesis that human chromosome 2 formed as a result of an ancient fusion of two ancestral chromosomes, which are still present in modern day apes.

Additional Information

Gene ID	116372
Other Names	LYPDC1; PHTS; 2700050C12Rik; C530008O16Rik; Lynx2; LYPD1_HUMAN; LYPD1; Putative HeLa tumor suppressor (PHTS); LYPD1_MOUSE; Ly-6/neurotoxin-like protein 2 (Lynx2); LYPD1_RAT; LY6/PLAUR domain containing 1; Putative HeLa tumor suppressor
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	LYPD1
Synonyms	Lynx2 {ECO:0000303|PubMed:33019770}, LYP
Function	Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro increases receptor desensitization and decreases affinity for ACh of alpha-4:beta-2- containing nAChRs. May play a role in the intracellular trafficking of alpha-4:beta-2 and alpha-7-containing nAChRs and may inhibit their expression at the cell surface. May be involved in the control of anxiety.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor

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