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PLS1 Rabbit pAb

Catalog # AP99645

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14651
Other Accession	Q14651
Predicted	Rat, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70253
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLS1
Epitope Specificity	41-140/329
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 2 actin-binding domains. Contains 4 CH (calponin-homology) domains. Contains 2 EF-hand domains.
Post-translational modifications	Phosphorylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this gene is a third distinct plastin isoform, which is specifically expressed at high levels in the small intestine. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Feb 2010]

Additional Information

Gene ID	5357
Other Names	DFNA76; PLSI_HUMAN; PLS1; Intestine-specific plastin (I-plastin); PLSI_MOUSE; plastin 1; plastin 1 (I isoform); fimbrin; I-plastin; Plastin-1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	PLS1
Function	Actin-bundling protein. In the inner ear, it is required for stereocilia formation. Mediates liquid packing of actin filaments that is necessary for stereocilia to grow to their proper dimensions.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q3V0K9}. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q3V0K9}
Tissue Location	In small intestine, colon, and kidney; relatively lower levels of expression are detected in the lung and stomach

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