

PLEKHM3 Rabbit pAb

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Catalog # AP58854

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6ZWE6
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87166
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLEKHM3
Epitope Specificity	651-761/761
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	PLEKHM3 (pleckstrin homology domain containing, family M, member 3), also known as DAPR or PLEKHM1L (pleckstrin homology domain containing, family M, member 1-like), is a 761 amino acid phosphoprotein that contains two pleckstrin homology (PH) domains and one phorbol-ester/DAG-type zinc finger. Conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, PLEKHM3 exists as three alternatively spliced isoforms that participate in metal ion binding. The gene that encodes PLEKHM3 maps to human chromosome 2q33.3. 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. 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	389072
Other Names	Pleckstrin homology domain-containing family M member 3, PH domain-containing family M member 3, Differentiation associated protein, PLEKHM3 (HGNC:34006)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	PLEKHM3 (HGNC:34006)
Function	Involved in skeletal muscle differentiation. May act as a scaffold protein for AKT1 during muscle differentiation.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q8BM47}. Golgi apparatus {ECO:0000250 UniProtKB:Q8BM47}. Cell membrane {ECO:0000250 UniProtKB:Q8BM47}. Note=Before differentiation of muscle cells, localized to the Golgi apparatus. During muscle differentiation shuttles to the plasma membrane. {ECO:0000250 UniProtKB:Q8BM47}

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