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Puratrophin 1 Rabbit pAb

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Catalog # AP54615

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q58EX7
Reactivity	Rat, Mouse
Predicted	Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	130803
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Puratrophin 1/PLEKHG4
Epitope Specificity	945-1045/1191
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	The protein encoded by this gene contains multiple domains suggestive of a role in intracellular signaling and cytoskeleton dynamics at the Golgi apparatus. Mutations in this gene are associated with spinocerebellar ataxia 16q22-linked. Several alternatively spliced transcript variants, differing only in the 5' UTR, or encoding a different isoform, have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	25894
Other Names	Puratrophin-1, Pleckstrin homology domain-containing family G member 4, PH domain-containing family G member 4, Purkinje cell atrophy-associated protein 1, PLEKHG4, PRTPHN1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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.

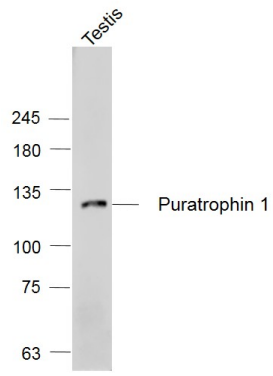
Protein Information

Name	PLEKHG4
Synonyms	PRTPHN1
Function	Possible role in intracellular signaling and cytoskeleton dynamics at the Golgi.
Tissue Location	Expressed in kidney, Leydig cells in the testis, epithelial cells in the prostate gland and Langerhans islet in the pancreas. Isoform 1 and isoform 3 are strongly expressed in Purkinje cells and to a lower extent in other neurons (at protein level). Widely expressed at low levels. More strongly expressed in testis and pancreas.

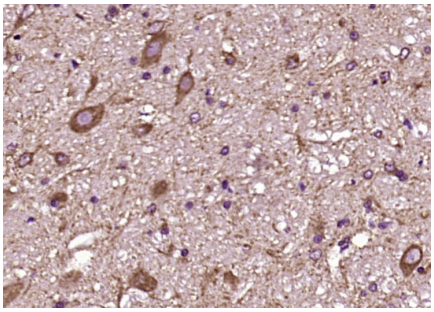
Background

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Images



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti- Puratrophin 1 (AP54615) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 131 kD
Observed band size: 131 kD



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Puratrophin 1) Polyclonal Antibody, Unconjugated (AP54615) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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