

RNF11 Rabbit pAb

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Catalog # AP59171

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y3C5
Reactivity	Mouse
Predicted	Rat, Dog, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17444
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RNF11
Epitope Specificity	65-154/154
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	Cytoplasm. Nucleus. Predominantly cytoplasmic, when unphosphorylated, and nuclear, when phosphorylated by PKB/AKT1.
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 a RING-H2 finger motif, which is known to be important for protein-protein interactions. The expression of this gene has been shown to be induced by mutant RET proteins (MEN2A/MEN2B). The germline mutations in RET gene are known to be responsible for the development of multiple endocrine neoplasia (MEN). [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	26994
Other Names	RING finger protein 11, RNF11
Dilution	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

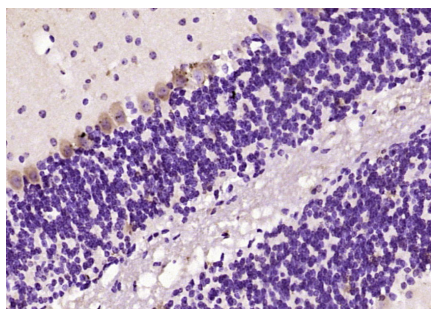
Name	RNF11
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Function	Essential component of a ubiquitin-editing protein complex, comprising also TNFAIP3, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Promotes the association of TNFAIP3 to RIPK1 after TNF stimulation. TNFAIP3 deubiquitinates 'Lys- 63' polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys- 48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Recruits STAMBP to the E3 ubiquitin-ligase SMURF2 for ubiquitination, leading to its degradation by the 26S proteasome.
Cellular Location	Early endosome. Recycling endosome. Cytoplasm. Nucleus. Note=Predominantly cytoplasmic, when unphosphorylated, and nuclear, when phosphorylated by PKB/AKT1
Tissue Location	Expressed at low levels in the lung, liver, kidney, pancreas, spleen, prostate, thymus, ovary, small intestine, colon, and peripheral blood lymphocytes, and, at intermediate levels, in the testis, heart, brain and placenta. Highest expression in the skeletal muscle. In the brain, expressed at different levels in several regions: high levels in the amygdala, moderate in the hippocampus and thalamus, low in the caudate and extremely low levels in the corpus callosum (at protein level). Restricted to neurons, enriched in somatodendritic compartments and excluded from white matter (at protein level). In substantia nigra, present in cell bodies and processes of dopaminergic and nondopaminergic cells (at protein level). In Parkinson disease, sequestered in Lewy bodies and neurites. Overexpressed in breast cancer cells, but not detected in the surrounding stroma and weakly, if at all, in normal breast epithelial cells (at protein level). Also expressed in several tumor cell lines.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum tissue); 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 (RNF11) Polyclonal Antibody, Unconjugated (AP59171) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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