

RNF11 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12908c

Specification

RNF11 Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q9Y3C5
Other Accession	Q9QYK7 , Q08DI6 , NP_055187.1
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17444
Antigen Region	64-90

RNF11 Antibody (Center) - Additional Information

Gene ID 26994

Other Names

RING finger protein 11, RNF11

Target/Specificity

This RNF11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-90 amino acids from the Central region of human RNF11.

Dilution

FC~~1:10~50
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF11 Antibody (Center) - Protein Information

Name RNF11

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

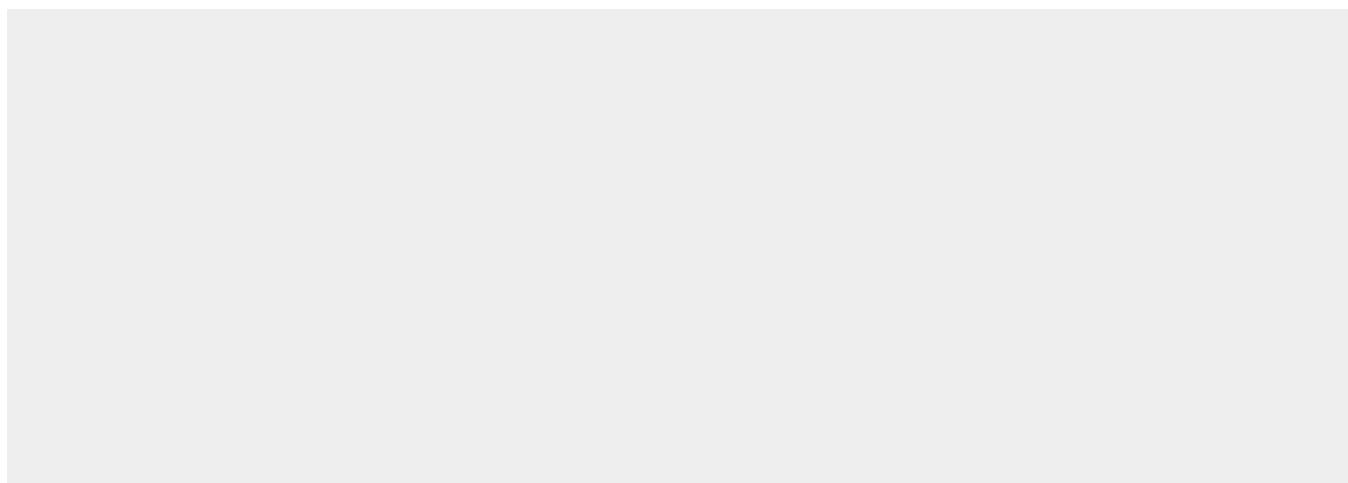
Tissue Location

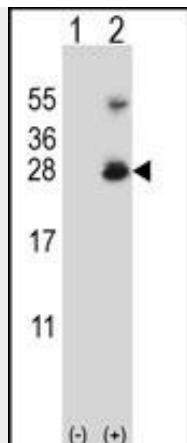
Expressed at low levels in the lung, liver, kidney, pancreas, spleen, prostate, thymus, ovary, small intestine, colon, and peripheral blood lymphocytes, and, at intermediate levels, in the testis, heart, brain and placenta. Highest expression in the skeletal muscle. In the brain, expressed at different 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.

RNF11 Antibody (Center) - Protocols

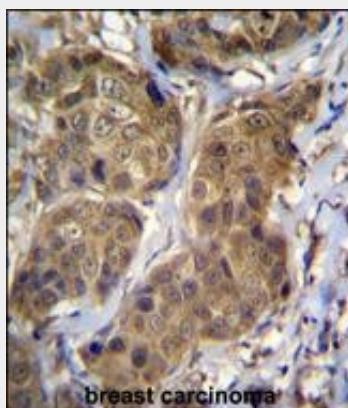
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

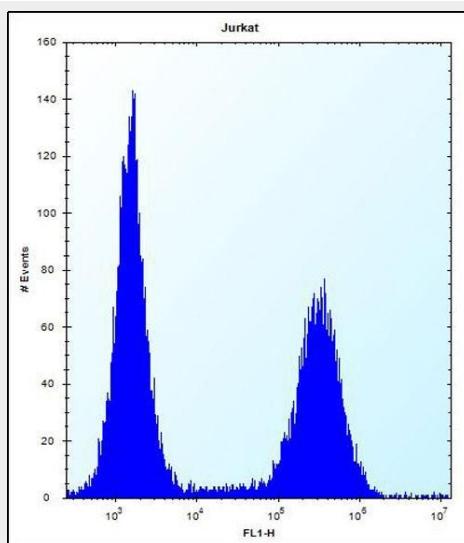
RNF11 Antibody (Center) - Images



Western blot analysis of RNF11 (arrow) using rabbit polyclonal RNF11 Antibody (Center) (Cat. #AP12908c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RNF11 gene.



RNF11 Antibody (Center) (Cat. #AP12908c) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RNF11 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



RNF11 Antibody (Center) (Cat. #AP12908c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

RNF11 Antibody (Center) - Background

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].

RNF11 Antibody (Center) - References

Santonico, E., et al. Oncogene 29(41):5604-5618(2010)
Markson, G., et al. Genome Res. 19(10):1905-1911(2009)
Shembade, N., et al. EMBO J. 28(5):513-522(2009)
van Wijk, S.J., et al. Mol. Syst. Biol. 5, 295 (2009) :
Chen, C., et al. Oncogene 27(54):6845-6855(2008)