

RNF11 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12908c**Specification**

RNF11 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9Y3C5](#)**RNF11 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 26994**Other Names**

RING finger protein 11, RNF11

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RNF11 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RNF11 Antibody (Center) Blocking peptide - Images

RNF11 Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)