

RNF26 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18283c**Specification**

RNF26 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BY78](#)**RNF26 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79102**Other Names**

RING finger protein 26, RNF26

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.

RNF26 Antibody (Center) Blocking Peptide - Protein Information**Name** RNF26 ([HGNC:14646](#))**Function**

E3 ubiquitin-protein ligase that plays a key role in endosome organization by retaining vesicles in the perinuclear cloud (PubMed: [27368102](http://www.uniprot.org/citations/27368102)). Acts as a platform for perinuclear positioning of the endosomal system by mediating ubiquitination of SQSTM1 through interaction with the ubiquitin conjugating enzyme UBE2J1 (PubMed: [27368102](http://www.uniprot.org/citations/27368102), PubMed: [33472082](http://www.uniprot.org/citations/33472082)). Ubiquitinated SQSTM1 attracts specific vesicle-associated adapters, forming a molecular bridge that restrains cognate vesicles in the perinuclear region and organizes the endosomal pathway for efficient cargo transport (PubMed: [27368102](http://www.uniprot.org/citations/27368102), PubMed: [33472082](http://www.uniprot.org/citations/33472082)). Also acts as a regulator of type I interferon production in response to viral infection by mediating the formation of 'Lys-11'-linked polyubiquitin chains on TMEM173/STING, leading to stabilize TMEM173/STING (PubMed: [25254379](http://www.uniprot.org/citations/25254379), PubMed: [32614325](http://www.uniprot.org/citations/32614325)). Also required to limit type I interferon response by promoting autophagic degradation of IRF3 (PubMed: [25254379](http://www.uniprot.org/citations/25254379)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous. Up-regulated in several cancer cell lines.

RNF26 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF26 Antibody (Center) Blocking Peptide - Images**RNF26 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this intronless gene contains aC3HC5 type of RING finger, a motif known to be involved in protein-DNA and protein-protein interactions. The expression of this gene was found to be upregulated in cancer cell lines derived from different types of cancer.

RNF26 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Kato, M. Biochem. Biophys. Res. Commun. 282(4):1038-1044(2001)