

**RNF26 Antibody**  
**Catalog # ASC12035****Specification****RNF26 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9BY78</a>
Other Accession	<a href="#">14042925</a> , <a href="#">NP_114404</a> , <a href="#">79102</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47737
Application Notes	RNF26 antibody can be used for Western blot at 1 - 2 µg/mL.

**RNF26 Antibody - Additional Information**

Gene ID	79102
<b>Other Names</b>	
RNF26 Antibody: FB22, HM89, LAP3, LCR1, NPYR, WHIM, CD184, LESTR, NPY3R, NPYRL, HSY3RR, NPYY3R, D2S201E	

**Precautions**

RNF26 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**RNF26 Antibody - 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

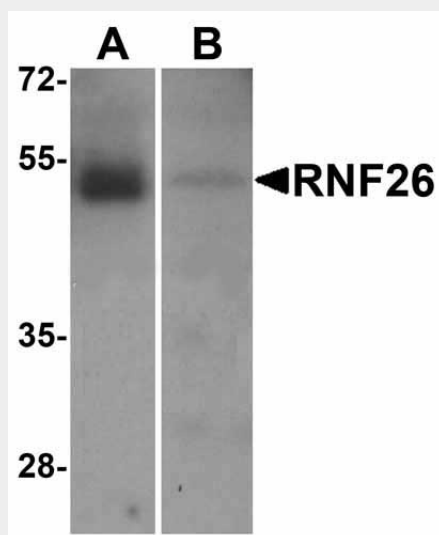
**Tissue Location**

Ubiquitous. Up-regulated in several cancer cell lines.

**RNF26 Antibody - 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](#)

**RNF26 Antibody - Images**

Western blot analysis of RNF26 in (A) human tonsil and (B) rat stomach tissue lysate with RNF26 antibody at 1  $\mu$ g/mL.

**RNF26 Antibody - Background**

RNF26 Antibody: RNF26 was identified as a member of a novel C3HC5 ring finger subfamily (1). RNF26 is ubiquitously expressed in human tissues but has been found to be upregulated in several cancer cell lines including HL-60, HeLa S3, and SW480, as well as 50% of primary gastric cancers. While the substrates of RNF26 ubiquitination have not yet been identified, the upregulation of RNF26 in several types of cancer suggest that it may serve as a target for therapeutic treatment (1).

**RNF26 Antibody - References**

Katoh M. Molecular cloning and characterization of RNF26 on chromosome 11q23 region, encoding a novel RING finger protein with leucine zipper. Biochem. Biophys. Res. Commun. 2001; 282:1038-44.;;;