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RNF26 Antibody

Catalog # ASC12035

Product Information

Application	WB, E
Primary Accession	Q9BY78
Other Accession	14042925, NP_114404, 79102
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 □g/mL.

Additional Information

Gene ID	79102
Other Names	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.

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). 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, PubMed: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, PubMed: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, PubMed:32614325). Also required to limit type I interferon response by promoting autophagic degradation of IRF3 (PubMed:25254379).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Ubiquitous. Up-regulated in several cancer cell lines.

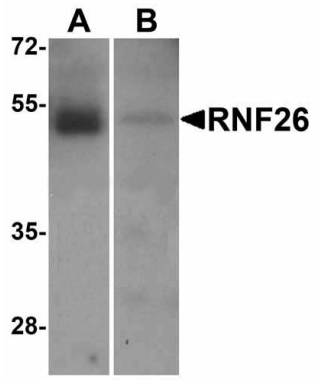
Background

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).

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.;;;

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.