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OS9 Rabbit mAb

Catalog # AP78045

Product Information

Application	WB, IHC-P, IF, ICC, IP
Primary Accession	Q13438
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human OS9
Purification	Affinity Chromatography
Calculated MW	75562

Additional Information

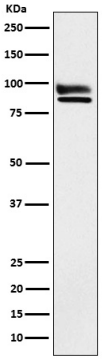
Gene ID	10956
Other Names	OS9
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	OS9
Function	Lectin component of the HRD1 complex, which functions in endoplasmic reticulum (ER) quality control and ER-associated degradation (ERAD) (PubMed:18264092, PubMed:18417469, PubMed:19084021, PubMed:19346256, PubMed:21172656, PubMed:24899641). Specifically recognizes and binds improperly folded glycoproteins as well as hyperglycosylated proteins, retain them in the ER, and transfers them to the ubiquitination machinery and promote their degradation (PubMed:18264092, PubMed:18417469, PubMed:19084021, PubMed:19346256, PubMed:21172656, PubMed:24899641). Possible targets include TRPV4 as well as hyperglycosylated HSP90B1 (PubMed:17932042).
Cellular Location	Endoplasmic reticulum lumen
Tissue Location	Ubiquitously expressed (PubMed:8634085). Found as well in all tumor cell

lines analyzed, amplified in sarcomas (PubMed:8634085). Highly expressed in osteosarcoma SJSA-1 and rhabdomyosarcoma Rh30 cell lines (PubMed:8634085)

Images



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