

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

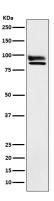
well as hyperglycosylated HSP90B1 (PubMed: 17932042).

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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