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Anti-OS9 Rabbit Monoclonal Antibody

Catalog # ABO15391

Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	Q13438
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-OS9 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	10956
Other Names	Protein OS-9, Amplified in osteosarcoma 9, OS9
Calculated MW	75562
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 19O67
Immunogen	A synthesized peptide derived from human OS9
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated 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).

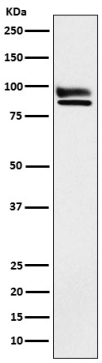
Cellular Location

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



Western blot analysis of OS9 expression in HeLa cell lysate.

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