

OS9 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17237B**Specification**

OS9 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q13438
Other Accession	Q3MHX6 , NP_001017958.1 , NP_006803.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	75562
Antigen Region	521-549

OS9 Antibody (C-term) - Additional Information**Gene ID** 10956**Other Names**

Protein OS-9, Amplified in osteosarcoma 9, OS9

Target/Specificity

This OS9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 521-549 amino acids from the C-terminal region of human OS9.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OS9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OS9 Antibody (C-term) - 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

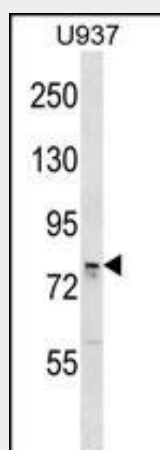
Ubiquitously expressed (PubMed:8634085). Found as well in all tumor cell lines analyzed, amplified in sarcomas (PubMed:8634085). Highly expressed in osteosarcoma SJS-1 and rhabdomyosarcoma Rh30 cell lines (PubMed:8634085)

OS9 Antibody (C-term) - 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](#)

OS9 Antibody (C-term) - Images



OS9 Antibody (C-term) (Cat. #AP17237b) western blot analysis in U937 cell line lysates (35ug/lane). This demonstrates the OS9 antibody detected the OS9 protein (arrow).

OS9 Antibody (C-term) - Background

This gene encodes a protein that is highly expressed in osteosarcomas. This protein binds to the hypoxia-inducible factor 1 (HIF-1), a key regulator of the hypoxic response and angiogenesis,

and promotes the degradation of one of its subunits. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

OS9 Antibody (C-term) - References

Feng, T., et al. Hum. Genet. 128(3):269-280(2010)
Mikami, K., et al. Glycobiology 20(3):310-321(2010)
Hosokawa, N., et al. J. Biol. Chem. 284(25):17061-17068(2009)
Jansen, B.J., et al. Mol. Immunol. 46(4):505-515(2009)
Alcock, F., et al. J. Mol. Biol. 385(4):1032-1042(2009)