

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

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 which functions in endoplasmic reticulum (ER) quality control and ER-associated

degradation (ERAD). May bind terminally misfolded non-glycosylated proteins as well as improperly folded glycoproteins, retain them in the ER, and possibly transfer them to the ubiquitination machinery and promote their degradation. Possible targets include TRPV4.

Cellular Location

Endoplasmic reticulum lumen

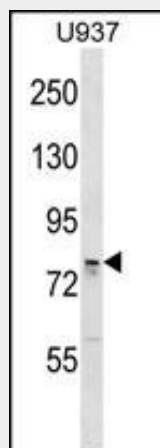
Tissue Location

Ubiquitously expressed. Found as well in all tumor cell lines analyzed, amplified in sarcomas. Highly expressed in osteosarcoma SJSA-1 and rhabdomyosarcoma Rh30 cell lines. Isoform 2 is the major isoform detected in all cell types examined

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)
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