

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

---

**OS9 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q13438</a>
Other Accession	<a href="#">Q3MHX6</a> , <a href="#">NP_001017958.1</a> , <a href="#">NP_006803.1</a>
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

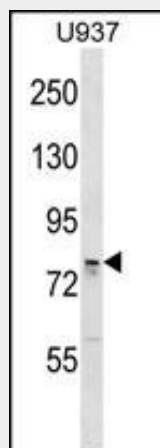
**Tissue Location**

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)  
Alcock, F., et al. J. Mol. Biol. 385(4):1032-1042(2009)