

**OS9 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17237b****Specification**

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**OS9 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q13438](#)**OS9 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10956**Other Names**

Protein OS-9, Amplified in osteosarcoma 9, OS9

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**OS9 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**OS9 Antibody (C-term) Blocking Peptide - Images****OS9 Antibody (C-term) Blocking Peptide - 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. Alternative transcriptional splice variants, encoding different isoforms, have been characterized.

**OS9 Antibody (C-term) Blocking Peptide - 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)