

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

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)