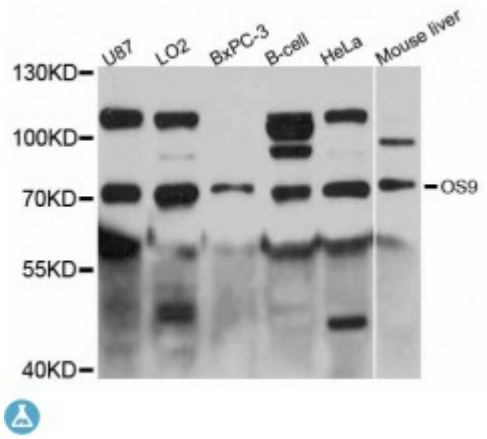
Anti-OS9 Antibody



Description	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.

Model	STJ114151
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 353-612 of human OS9 (NP_001017956.1).
Gene ID	10956
Gene Symbol	OS9
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	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
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Protein OS-9 Amplified in osteosarcoma 9

Molecular Weight	75.562 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16994OMIM:609677Reactome:R-HSA-382556
Alternative Names	Protein OS-9 Amplified in osteosarcoma 9
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 Localization	Endoplasmic reticulum lumen
Post-translational Modifications	Intramolecular disulfide bonds