

Rabbit anti-Human, Mouse OS9 Polyclonal Antibody | anti-OS9 antibody

OS9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327432	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

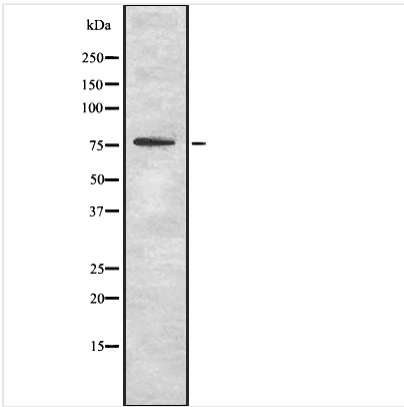
PRODUCT SYNONYMS

OS9; Polyclonal Antibody; OS9 Antibody; Amplified in osteosarcoma 9; amplified in osteosarcoma; ERLEC2; OS-9; Os9; OS9_HUMAN; Osteosarcoma amplified 9 endoplasmic reticulum lectin; Protein OS-9; anti-OS9 antibody

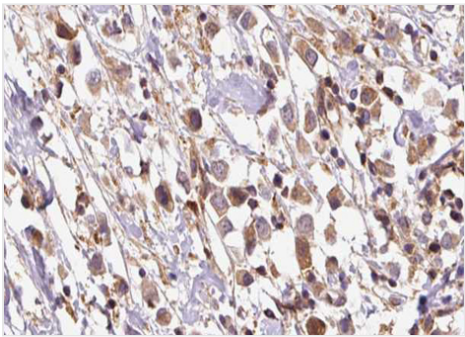
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	OS9 antibody detects endogenous levels of total OS9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	612
Applicable Applications for anti-OS9 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OS9
Subcellular Location	Endoplasmic Reticulum Lumen.
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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis OS9 using RAW264.7 whole cell lysates



IHC (Immunohistochemistry)
AAA327432 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-OS9 antibody	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. Subunit Structure: Interacts (via C-terminus) with CPNE6 (via second C2 domain); this interaction occurs in a calcium-dependent manner in vitro (By similarity). Probably part of the HRD1 ubiquitin ligase complex composed at least of SYVN1/HRD1 and SEL1L with which it interacts directly (PubMed:18502753, PubMed:18264092, PubMed:19084021). Through this complex it may interact with ERLEC1 and HSPA5 (PubMed:18502753). Interacts with DERL2 (PubMed:19084021). Interacts with HSP90B1 (PubMed:18264092). Interacts with CREB3 (PubMed:20546900). Interacts with SYVN1 (PubMed:18264092). Post-translational Modifications: Intramolecular disulfide bonds. Isoform 1 and isoform 2 are N-glycosylated. Similarity: Belongs to the OS-9 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63252866
NCBI GeneID	10956
NCBI Accession #	NP_001017956.1
NCBI GenBank Nucleotide #	NM_001017956.2
UniProt Accession #	Q13438; A6NDD1; A6NFR7; A6NLB2; A8K5Q9; B4DE28; B4DPX1; B4E1I6; E7ENT8; E7EW91; F8VUH2; G3XA88
Molecular Weight	Observed: 76 kDa Predicted: 76 kDa
NCBI Official Full Name	protein OS-9 isoform 2
NCBI Official Synonym Full Names	OS9, endoplasmic reticulum lectin
NCBI Official Symbol	OS9
NCBI Official Synonym Symbols	OS-9; ERLEC2
NCBI Protein Information	protein OS-9
UniProt Protein Name	Protein OS-9
UniProt Gene Name	OS9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/os9-antibody-immunohistochemistry-western-blot-elisa/327432>