ARG45618
anti-OS9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes OS9
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	OS9
Species	Human
Immunogen	Recombinant protein containing to human OS9.
Conjugation	Un-conjugated
Alternate Names	OS9; OS9 Endoplasmic Reticulum Lectin; ERLEC2; OS-9; Osteosarcoma Amplified 9, Endoplasmic Reticulum Lectin; Endoplasmic Reticulum Lectin 2; Amplified In Osteosarcoma 9; Protein OS-9; Erlectin 2; Osteosarcoma Amplified 9, Endoplasmic Reticulum Associated Protein

Application Instructions

Application table

Application	Dilution
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

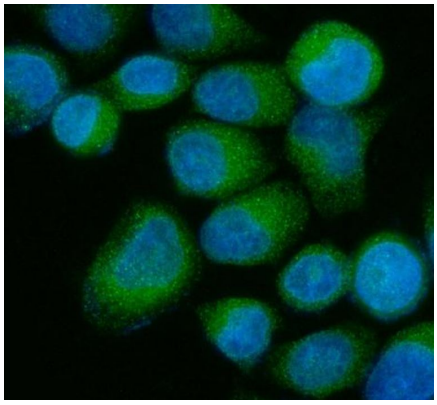
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

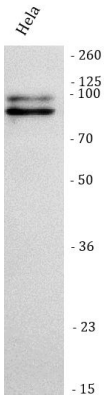
Gene Symbol	OS9
Gene Full Name	OS9 Endoplasmic Reticulum Lectin
Background	This gene encodes a protein that is highly expressed in osteosarcomas. This protein binds to the hypoxia-inducible factor 1 (HIF-1), a key regulator of the hypoxic response and angiogenesis, and promotes the degradation of one of its subunits. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	76 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum. [UniProt]

Images



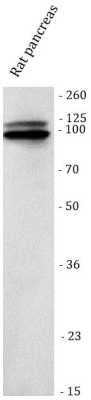
ARG45618 anti-OS9 antibody ICC/IF image

Immunofluorescence: SiHa stained with ARG45618 anti-OS9 antibody at 5 µg/ml dilution.



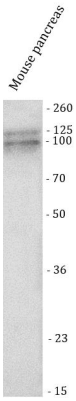
ARG45618 anti-OS9 antibody WB image

Western blot: Hela stained with ARG45618 anti-OS9 antibody at 0.5 µg/ml dilution.



ARG45618 anti-OS9 antibody WB image

Western blot: Rat pancreas stained with ARG45618 anti-OS9 antibody at 0.5 µg/ml dilution.



ARG45618 anti-OS9 antibody WB image

Western blot: Mouse pancreas stained with ARG45618 anti-OS9 antibody at 0.5 µg/ml dilution.