

Anti-OS9 antibody ab225915

4 Images

Overview

Product name	Anti-OS9 antibody
Description	Rabbit polyclonal to OS9
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human OS9 aa 232-413. Database link: Q13438
Positive control	IHC-P: Human testis tissue and lung cancer tissues. WB: HepG2 and HEK-293 whole cell lysates. ICC/IF: HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Purification notes	Purity >95%.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab225915 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/200.
WB		1/500 - 1/5000. Detects a band of approximately 76 kDa (predicted molecular weight: 76 kDa).
ICC/IF		1/50 - 1/200.

Target

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.

Tissue specificity

Ubiquitously expressed. Found as well in all tumor cell lines analyzed, amplified in sarcomas. Highly expressed in osteosarcoma OSA-CL and rhabdomyosarcoma RH30 cell lines. Isoform 2 is the major isoform detected in all cell types examined.

Sequence similarities

Belongs to the OS-9 family.
Contains 1 PRKCSH domain.

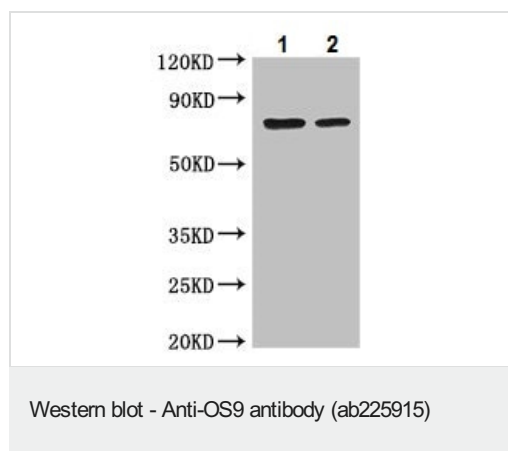
Post-translational modifications

Intramolecular disulfide bonds.
Isoform 1 and isoform 2 are N-glycosylated.

Cellular localization

Endoplasmic reticulum lumen.

Images



All lanes : Anti-OS9 antibody (ab225915) at 1/500 dilution

Lane 1 : HepG2 (human liver hepatocellular carcinoma cell line)
whole cell lysate

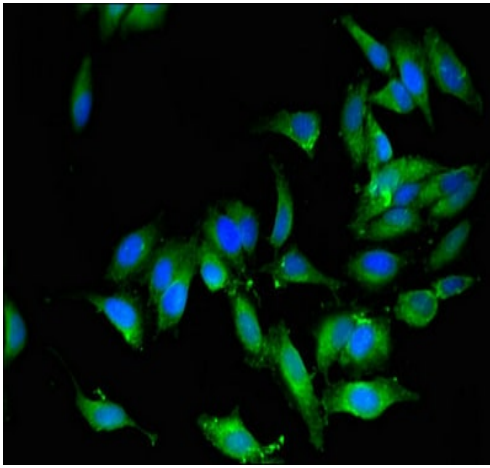
Lane 2 : HEK-293 (human epithelial cell line from embryonic
kidney) whole cell lysate

Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

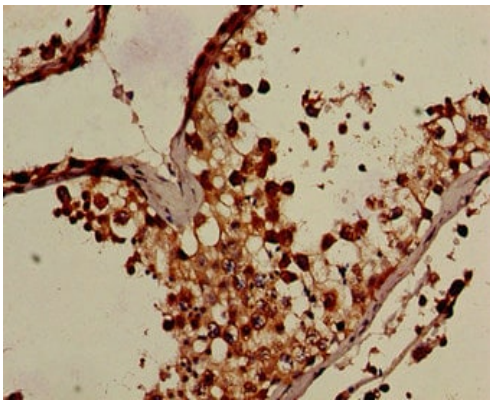
Predicted band size: 76 kDa

Observed band size: 76 kDa



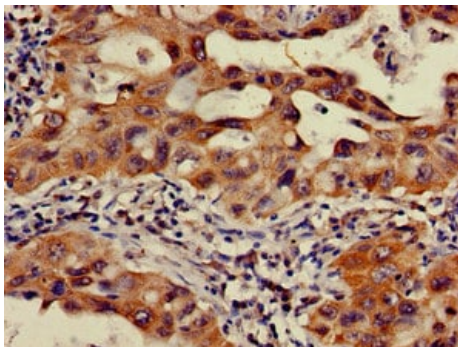
Immunocytochemistry/ Immunofluorescence - Anti-OS9 antibody (ab225915)

HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for OS9 (green) using ab225915 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488[®] conjugated Goat Anti-Rabbit IgG (H+L).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OS9 antibody (ab225915)

Paraffin-embedded human testis tissue stained for OS9 using ab225915 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OS9 antibody (ab225915)

Paraffin-embedded human lung cancer tissue stained for OS9 using ab225915 at 1/100 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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