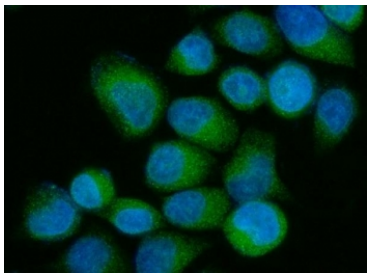
OS9 Antibody / Amplified in Osteosarcoma 9 (RQ6667)

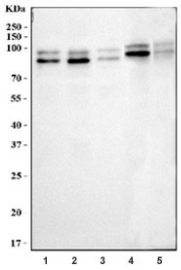
Catalog No.	Formulation	Size
RQ6667	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13438
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This OS9 antibody is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with OS9 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human 293T, 3) human HL60, 4) rat pancreas and 5) mouse pancreas tissue lysate with OS9 antibody. Expected molecular weight: 61-76 kDa (multiple isoforms) but may be observed at higher molecular weights due to glycosylation. Isoform OS-9-1 is commonly observed at 76-97 kDa and isoform OS-9-2 is commonly observed at 69-83 kDa.

Description

Protein OS-9 is a protein that in humans is encoded by the OS9 gene. 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.

Application Notes

Optimal dilution of the OS9 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q56-E635) was used as the immunogen for the OS9 antibody.

Storage

After reconstitution, the OS9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.