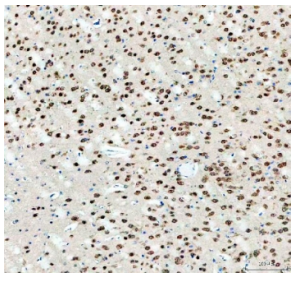
Fox2 Antibody / RBM9 (RQ5548)

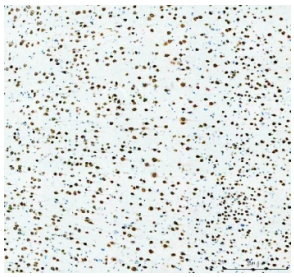
Catalog No.	Formulation	Size
RQ5548	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

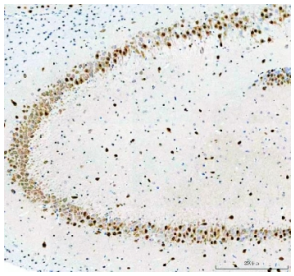
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43251
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Fox2 antibody is available for research use only.



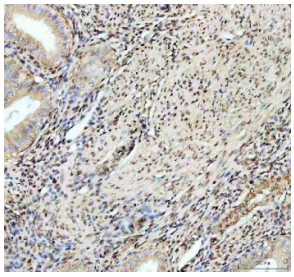
IHC staining of FFPE mouse brain tissue with Fox2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



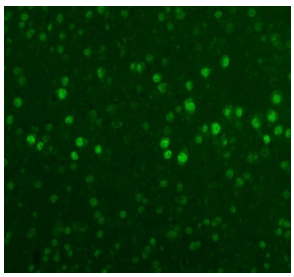
IHC staining of FFPE rat brain cortex tissue with Fox2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



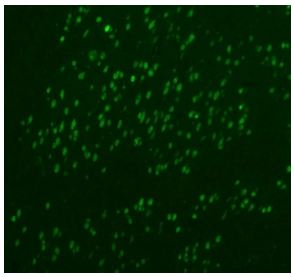
IHC staining of FFPE rat hippocampus tissue with Fox2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



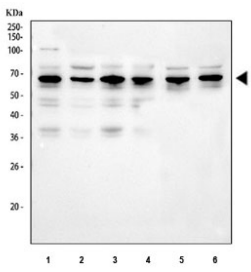
IHC staining of FFPE endometrial cancer tissue with Fox2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



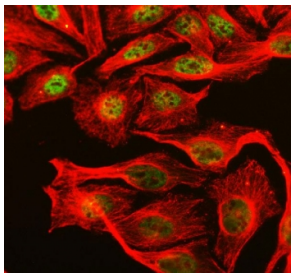
Immunofluorescent staining of FFPE mouse brain tissue with Fox2 antibody (green). HIER: steam section in pH8 EDTA buffer for 20 min.



Immunofluorescent staining of FFPE rat brain tissue with Fox2 antibody (green). HIER: steam section in pH8 EDTA buffer for 20 min.



Western blot testing of 1) human U-2 OS, 2) human Caco-2, 3) human A431, 4) human U-87 MG, 5) rat C6 and 6) mouse NIH 3T3 cell lysate with Fox2 antibody. Expected molecular weight ~41 kDa.



Immunofluorescent staining of FFPE human U-2 OS cells with Fox antibody (green) and Alpha Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.

Description

RNA binding motif protein 9 (RBM9), also known as Rbfox2, is a protein which in humans is encoded by the RBM9 gene. It is mapped to 22q12.3. This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Fox2 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids M1-Q81) was used as the immunogen for the Fox2 antibody.

Storage

After reconstitution, the Fox2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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