

Basic Information

Product Name	Anti-FOX2/RBM9/RBFOX2 Antibody	
Gene Name	RBFOX2	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, IF, ICC/IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human Fox2/RBM9/RBFOX2 recombinant protein (Position: M1-Q81).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	60 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

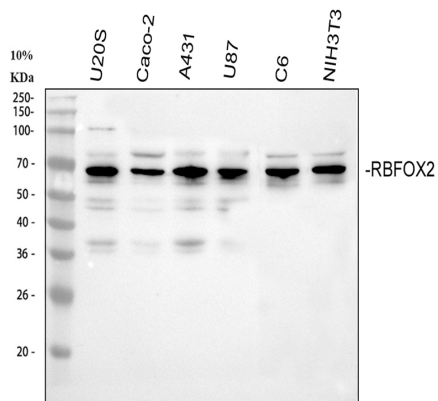
Background Information

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.

Reference

Anti-FOX2/RBM9/RBFOX2 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of FOX2/RBM9/RBFOX2 using anti-

FOX2/RBM9/RBFOX2 antibody (A05389-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U2OS whole cell lysates,

Lane 2: human Caco-2 whole cell lysates,

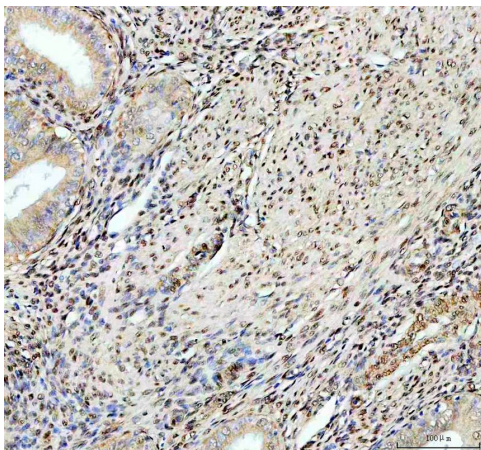
Lane 3: human A431 whole cell lysates,

Lane 4: human U87 whole cell lysates,

Lane 5: rat C6 whole cell lysates,

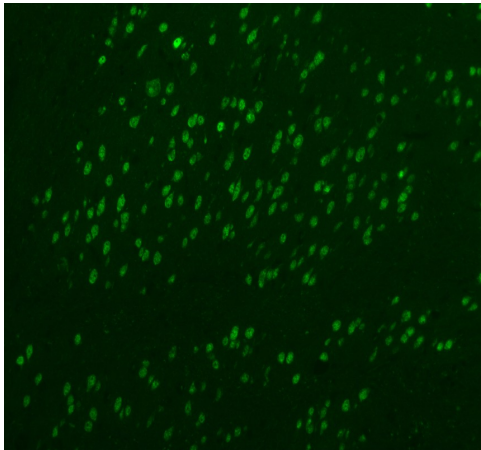
Lane 6: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FOX2/RBM9/RBFOX2 antigen affinity purified polyclonal antibody (A05389-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FOX2/RBM9/RBFOX2 at approximately 60 kDa. The expected band size for FOX2/RBM9/RBFOX2 is at 41 kDa.



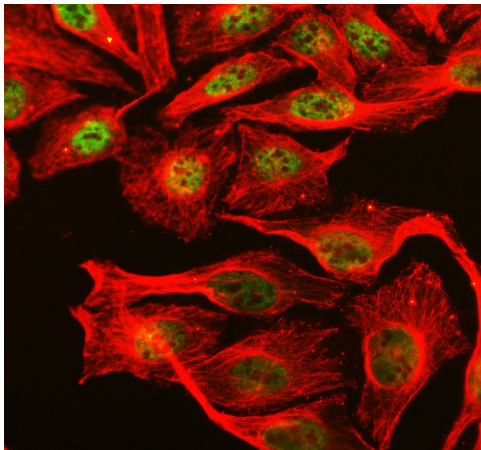
IHC analysis of FOX2/RBM9/RBFOX2 using anti-FOX2/RBM9/RBFOX2 antibody (A05389-1).

FOX2/RBM9/RBFOX2 was detected in a paraffin-embedded section of human endometrial cancer tissue. The tissue section was incubated with rabbit anti-FOX2/RBM9/RBFOX2 Antibody (A05389-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of FOX2/RBM9/RBFOX2 using anti-FOX2/RBM9/RBFOX2 antibody (A05389-1).

FOX2/RBM9/RBFOX2 was detected in a paraffin-embedded section of rat brain tissue. The tissue section was incubated with rabbit anti-FOX2/RBM9/RBFOX2 Antibody (A05389-1) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) was used as secondary antibody.



IF analysis of FOX2/RBM9/RBFOX2 using anti-FOX2/RBM9/RBFOX2 antibody (A05389-1) and anti-Beta Tubulin antibody (M01857-3).

FOX2/RBM9/RBFOX2 was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-FOX2/RBM9/RBFOX2 Antibody (A05389-1) at a dilution of 1:100. Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and Cy3-conjugated Anti-mouse IgG Secondary Antibody (red)(Catalog#BA1031) were used as secondary antibody.