

ARG43057 anti-RBFOX2 / RBM9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RBFOX2 / RBM9
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RBFOX2 / RBM9
Species	Human
Immunogen	Recombinant protein corresponding to M1-Q81 of Human RBFOX2 / RBM9.
Conjugation	Un-conjugated
Alternate Names	RNA binding protein fox-1 homolog 2; dJ106I20.3; RTA; HRNBP2; HNRBP2; Fox-1 homolog B; RBM9; Hexaribonucleotide-binding protein 2; RNA-binding protein 9; fxb; Repressor of tamoxifen transcriptional activity; Fox-2; FOX2; RNA-binding motif protein 9

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
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

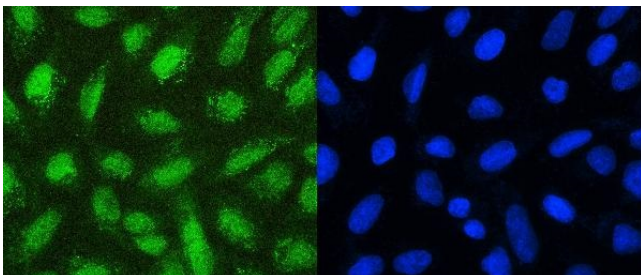
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

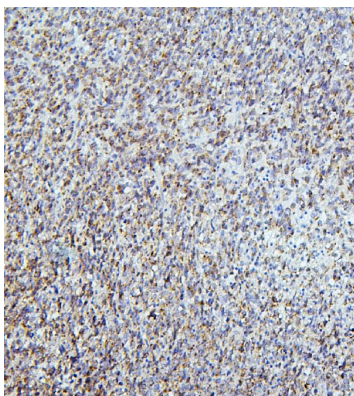
Gene Symbol	RBFOX2
Gene Full Name	RNA binding protein, fox-1 homolog (C. elegans) 2
Background	This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system 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. [provided by RefSeq, Jul 2008]
Function	RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis (By similarity). RNA-binding protein that seems to act as a coregulatory factor of ER-alpha. [UniProt]
Calculated Mw	41 kDa
Cellular Localization	Nucleus. Cytoplasm. [UniProt]

Images



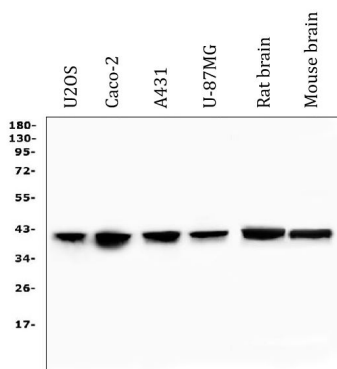
ARG43057 anti-RBFOX2 / RBM9 antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG43057 anti-RBFOX2 / RBM9 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



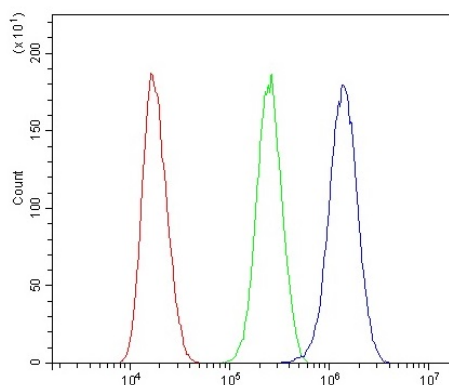
ARG43057 anti-RBFOX2 / RBM9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human melanoma tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43057 anti-RBFOX2 / RBM9 antibody at 1 µg/ml dilution, overnight at 4°C.



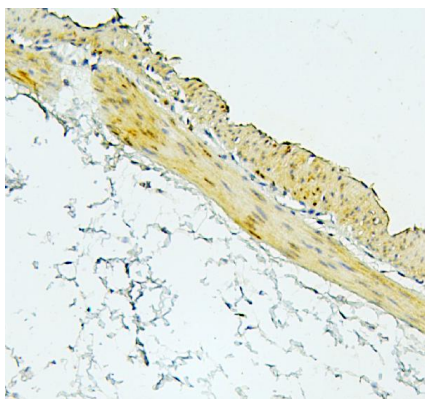
ARG43057 anti-RBFOX2 / RBM9 antibody WB image

Western blot: 50 µg of sample under reducing conditions. U2OS, Caco-2, A431, U-87MG, Rat brain and Mouse brain lysates stained with ARG43057 anti-RBFOX2 / RBM9 antibody at 0.5 µg/ml dilution, overnight at 4°C.



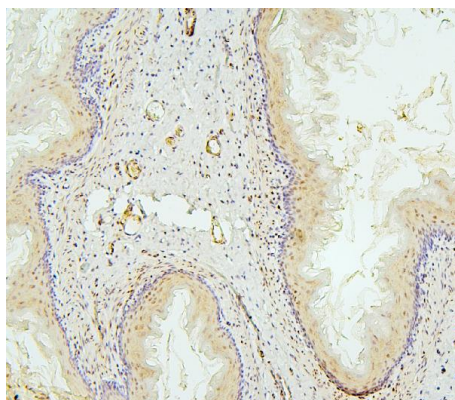
ARG43057 anti-RBFOX2 / RBM9 antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG43057 anti-RBFOX2 / RBM9 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



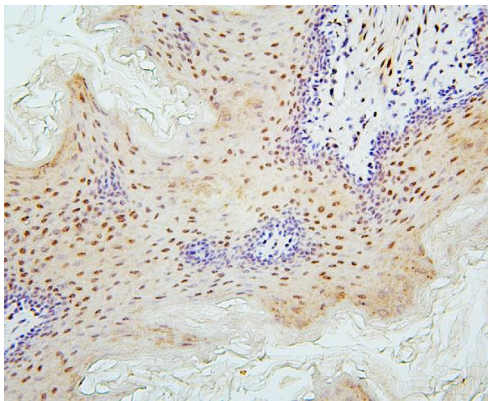
ARG43057 anti-RBFOX2 / RBM9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse gaster tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43057 anti-RBFOX2 / RBM9 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43057 anti-RBFOX2 / RBM9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat gaster tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43057 anti-RBFOX2 / RBM9 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43057 anti-RBFOX2 / RBM9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat gastric tissue.
Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43057 anti-RBFOX2 / RBM9 antibody at 1 µg/ml dilution, overnight at 4°C.