

ARG11142 anti-RBFOX2 / RBM9 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes RBFOX2 / RBM9
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-Fr
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	RBFOX2 / RBM9
Species	Human
Immunogen	The N-terminal 99 amino acids 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
	IHC-Fr	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

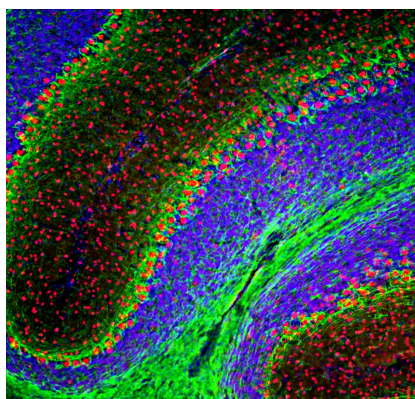
Form	Liquid
Buffer	PBS and 5 mM Sodium azide.
Preservative	5 mM Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw 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
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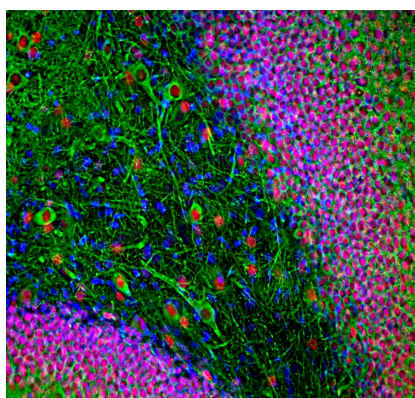
Gene Full Name	RNA binding protein, fox-1 homolog (C. elegans) 2
Background	This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. 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



ARG11142 anti-RBFOX2 / RBM9 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Mouse cerebellum tissue stained with ARG11142 anti-RBFOX2 / RBM9 antibody (red) at 1:2000 dilution, and co-stained with anti-Neurofilament NF-L antibody (green) at 1:5000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with above antibodies.).



ARG11142 anti-RBFOX2 / RBM9 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat hippocampus tissue stained with ARG11142 anti-RBFOX2 / RBM9 antibody (red) at 1:2000 dilution, and co-stained with [ARG10720](#) anti-MAP2cd antibody [2C4] (green) at 1:5000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with above antibodies.).