

# Product datasheet

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# 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; fxh; 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

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

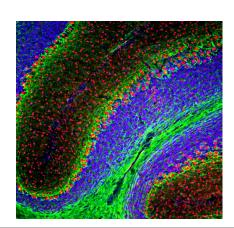
and of differentially spliced exons during erythropoiesis (By similarity). RNA-binding protein that seems

to act as a coregulatory factor of ER-alpha. [UniProt]

Calculated Mw 41 kDa

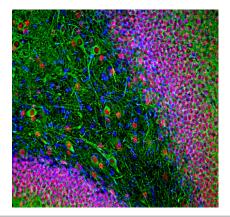
Cellular Localization Nucleus. Cytoplasm. [UniProt]

#### **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  $\mu\text{M}$ , 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  $\mu$ M, and free-floating sections were stained with above antibodies.).