

Rabbit anti-Human RBFOX1 Polyclonal Antibody | anti-RBFOX1 antibody

Anti-RBFOX1 Antibody, Rabbit Polyclonal

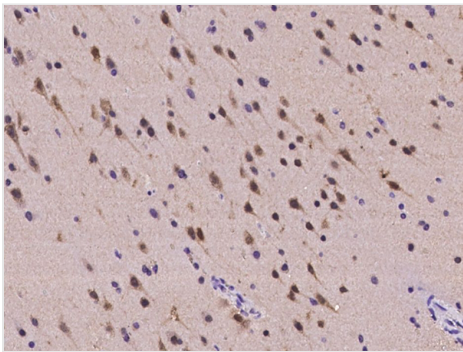
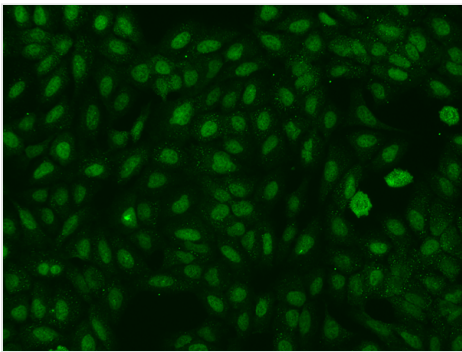
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256706	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

RBFOX1; Polyclonal Antibody; Anti-RBFOX1 Antibody; Rabbit Polyclonal; RBFOX1 Antibody; Rabbit PAb; Antigen Affinity Purified; RNA binding protein fox-1 homolog 1; Anti-2BP1 Antibody; Anti-A2BP1 Antibody; Anti-FOX-1 Antibody; Anti-FOX1 Antibody; Anti-HRNBP1 Antibody; anti-RBFOX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RBFOX1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RBFOX1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human RBFOX1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RBFOX1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of RBFOX1 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human RBFOX1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human RBFOX1 in human brain with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-RBFOX1 antibody	RBFOX1 (also known as FOX1 and A2BP1), an RNA splicing factor, regulates the expression of large genetic networks during early neuronal development, and haploinsufficiency causes severe neurodevelopmental phenotypes including autism spectrum disorder, mental retardation, epilepsy, attention-deficit/hyperactivity disorder, and schizophrenia. Human genetic studies have identified the neuronal RNA binding protein, Rbfox1, as a candidate gene for autism spectrum disorders. The RNA-binding protein RBFOX1 is an important regulator of neuron development and neuronal excitability. Rbfox1 is abundant in the vertebrate brain, heart, and skeletal muscle, and can regulate developmental and tissue-specific alternative splicing in heart, muscle, and neuronal tissues. The RBFOX1 protein and its homologs (RBFOX2 and RBFOX3) regulate alternative splicing of many neuronal transcripts involved in the homeostatic control of neuronal excitability.
References	Zhao WW (2013) Intragenic deletion of rbfox1 associated with neurodevelopmental/neuropsychiatric disorders and possibly other clinical presentations. Mol Cytogenet 6 (1): 26.Lee JA, et al. (2016) Cytoplasmic rbfox1 regulates the expression of synaptic and autism-related genes. Neuron 89 (1): 113-128.Gu L, et al. (2018) Downregulation of splicing regulator rbfox1 compromises visual depth perception. PLoS One 13 (7): e0200417.Bill BR, et al. (2013) Orchestration of neurodevelopmental programs by rbfox1: Implications for autism spectrum disorder. Int Rev Neurobiol 113 251-267.

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