Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 200-301-X08

FOX1 Antibody

Overview

Description:	Anti-FOX1 (MOUSE) Monoclonal Antibody - 200-301-X08
Item No.:	200-301-X08
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Bovine
Host Species:	Mouse

Product Details

Background:	FOX1, also known as ataxin-2 binding protein 1 (A2BP1), is a neuron specific RNA-binding protein that has been shown to regulate a wide range of alternative splicing events implicated in neuronal development and maturation including transcription factors and synaptic proteins. Defects in FOX1 have also been associated with autism, attention-deficit hyperactivity disorder and schizophrenia. FOX1 Antibody is ideal for researchers interested in neuroscience research.
Synonyms:	RNA binding protein fox-1 homolog 1, Ataxin-2-binding protein 1, Fox-1 homolog A, Hexaribonucleotide-binding protein 1, A2BP, A2BP1, HRNBP1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	1G10
Format:	IgG1

Target Details

Gene Name:	RBFOX1
Reactivity:	Human, Mouse, Rat, Bovine
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-FOX1 Antibody was produced in mice by repeated immunizations with a recombinant protein taken from the N-terminus of human FOX1 expressed in and purified from E. Coli.

Purity/Specificity:	Anti-FOX1 Antibody was purified from tissue culture supernatant by protein G chromatography.
Relevant Links:	• UniProtKB - Q9NWB1 • GeneID - 54715 • NCBI - NP_001135805.1

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-FOX1 Antibody is tested for Western Blot, immunohistochemistry, and immunocytochemistry, and it is specific for the ~46/48 kDa FOX1 protein doublet. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000
IHC:	1:500
WB:	1:5000

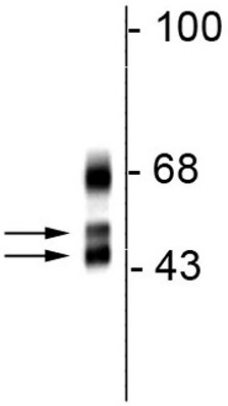
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

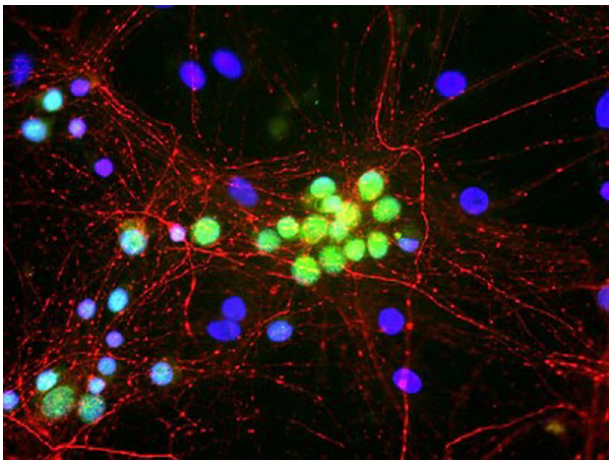
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot of Anti-FOX1 Antibody.
Rat cortical lysate showing specific immunolabeling of the ~46/48 kDa FOX1 protein.



Immunofluorescence Microscopy
Immunofluorescence of cultured rat neurons showing nuclear and distal cytoplasmic labeling of FOX1 (p/n 200-301-X08, 1:500, green).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.