

Datasheet for ABIN5542704  
**anti-NeuN antibody (AA 1-140)**[Go to Product page](#)

## 1 Validation

## 6 Images

## Overview

Quantity:	0.1 mg
Target:	NeuN (RBFOX3)
Binding Specificity:	AA 1-140
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NeuN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human RBFOX3 (AA 1-140) expressed in E. Coli.
Clone:	1H3B2
Isotype:	IgG2a

## Target Details

Target:	NeuN (RBFOX3)
Alternative Name:	RBFOX3 ( <a href="#">RBFOX3 Products</a> )
Background:	RBFOX3 (RNA Binding Protein, Fox-1 Homolog (C. Elegans) 3) is a Protein Coding gene. Diseases associated with RBFOX3 include vertebral artery occlusion and tuberculum sellae meningioma. Among its related pathways are Neuroscience. GO annotations related to this

## Target Details

gene include nucleic acid binding and nucleotide binding. An important paralog of this gene is RBFOX1.,

Molecular Weight: 28.3kDa

HGNC: 23492

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

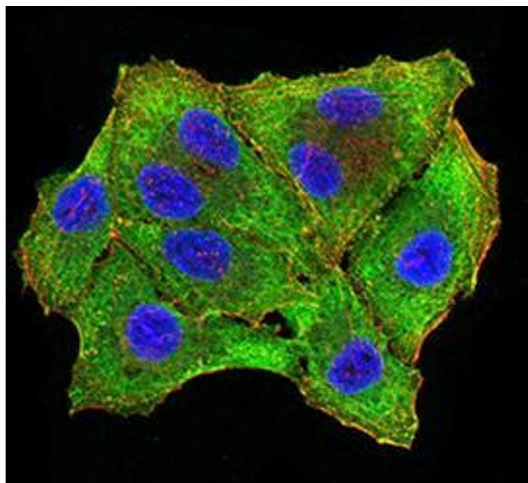
Format: Liquid

Buffer: PBS with 0.05 % sodium azide

Storage: 4 °C,-20 °C

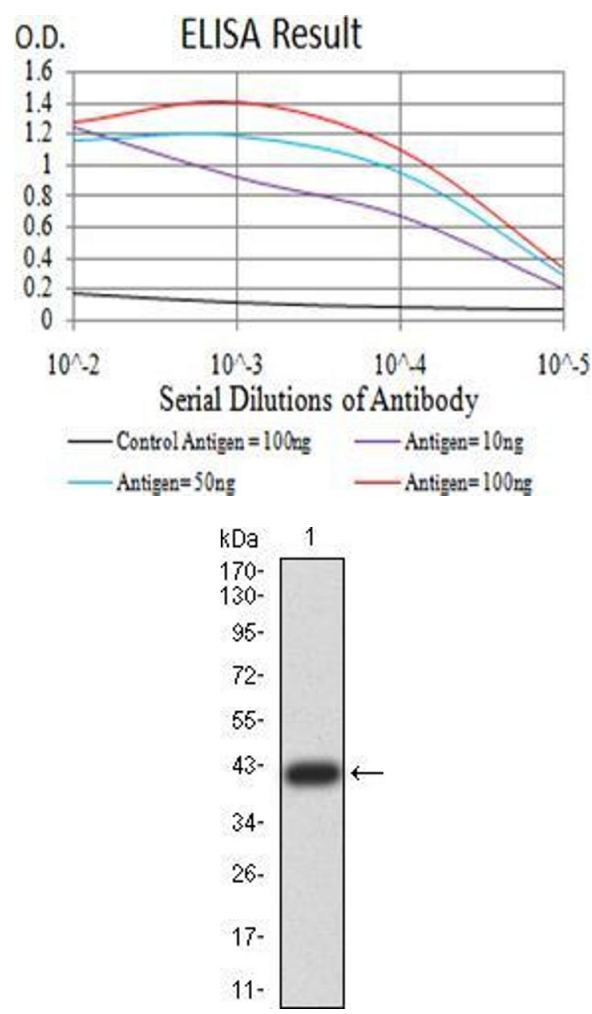
Storage Comment: 4°C, -20°C for long term storage

## Images



### Immunocytochemistry

**Image 1.** Immunofluorescence analysis of HeLa cells using RBFOX3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher



### ELISA

**Image 2.** Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

### Western Blotting

**Image 3.** Western blot analysis using RBFOX3 mAb against human RBFOX3 (AA: 1-140) recombinant protein. (Expected MW is 41.4 kDa)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5542704.



## Successfully validated (Western Blotting (WB))

by [Prof. Merighi, Laboratory of Neurobiology, Department of Veterinary Sciences, University of Turin](#)

Report Number: 104496

Date: Aug 02 2023

Target:	RBFOX3
Lot Number:	160425
Method validated:	Western Blotting (WB)
Positive Control:	Adult mouse brain and cerebellum
Notes:	The NeuN antibody ABIN5542704 works in WB at a 1:1000 dilution with sensitive ECL substrate on adult mouse brain and cerebellum extracts. Non-specific bands are also detected.
Primary Antibody:	ABIN5542704
Secondary Antibody:	HRP-conjugated goat anti-mouse IgG (Sigma-Aldrich, NA931VS)
Protocol:	<ul style="list-style-type: none"> <li>Homogenize tissues with cold lysis buffer containing 50 mM Tris HCl, 150 mM NaCl, 1% Triton X-100, 1 mM EDTA, and 1% protease inhibitor (Sigma P8340) using an ultrasonic homogenizer (MSE, SoniPrep 150) with 16 amplitude, 20 s on, 10 s off pulse for 60 s.</li> <li>Centrifuge tissue homogenates at 13,000 rpm for 20 min at 4 °C.</li> <li>Collect supernatants and determine total protein content using a Bradford assay.</li> <li>Denature 50 µg of total protein for 5 min at 90 °C and subsequently separate them on a denaturing 12% PAGE-SDS gel alongside a Precision Plus Protein Dual Color Standard (Bio-Rad, 160374).</li> <li>Electro-transfer proteins onto nitrocellulose membrane (Amersham Biosciences, RPN203D) ON in the cold room.</li> <li>Wash membrane 3x for 10 min with 0.01 M PBS containing 0.1% Tween-20 (PBST).</li> <li>Block membrane with PBST containing 2% bovine serum albumin for 1 h at RT.</li> <li>Incubate membrane with primary mouse anti-NeuN antibody (antibodies-online, ABIN5542704, lot 160425) diluted 1:1,000 in PBST ON at 4 °C.</li> <li>Wash membrane 3x 10 min with PBST.</li> <li>Incubate membrane with secondary HRP-conjugated goat anti-mouse IgG (Sigma-Aldrich, NA931VS) diluted 1:1,000 in PBST for 1 h at RT.</li> <li>Wash membrane 3x 10 min with PBST.</li> <li>Visualize proteins with WesternBright Sirius HRP substrate (Advansta) using a ChemiDoc Imaging System.</li> </ul>
Experimental Notes:	Non-specific bands were also detected in adult mouse cerebellum tissue extracts, but not on laser-microdissected Purkinje neurons.

**Validation image no. 1 for anti-RNA Binding Protein, Fox-1 Homolog 3 (RBFOX3) (AA 1-140) antibody (ABIN5542704)**

Western blot using ABIN5542704 to reveal CALB1 (28 kDa) in extracts from two different mouse brains (1 and 2) and in cerebellum extracts (3).

