

Datasheet for ABIN390866  
**anti-FMR1 antibody (N-Term)**

3 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	FMR1
Binding Specificity:	AA 20-48, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This FMR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-48 amino acids from the N-terminal region of human FMR1.
Clone:	RB20964
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	FMR1
Alternative Name:	FMR1 ( <a href="#">FMR1 Products</a> )

## Target Details

Background:	FMR1 binds RNA and is associated with polysomes. This protein may be involved in mRNA trafficking from the nucleus to the cytoplasm.
Molecular Weight:	71174
Gene ID:	2332
NCBI Accession:	<a href="#">NP_001172004</a> , <a href="#">NP_001172005</a> , <a href="#">NP_001172010</a> , <a href="#">NP_001172011</a> , <a href="#">NP_002015</a>
UniProt:	<a href="#">Q06787</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

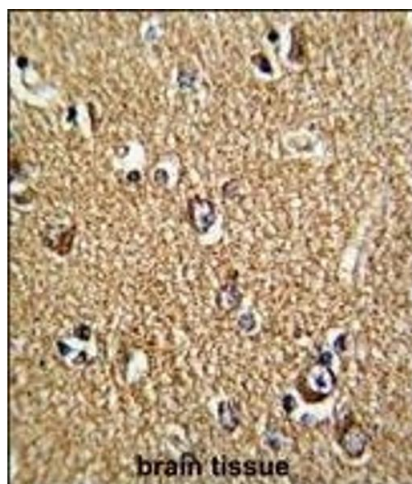
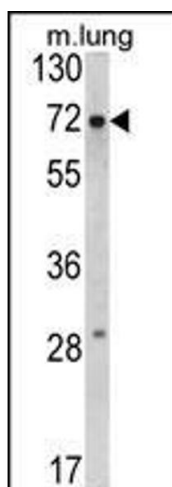
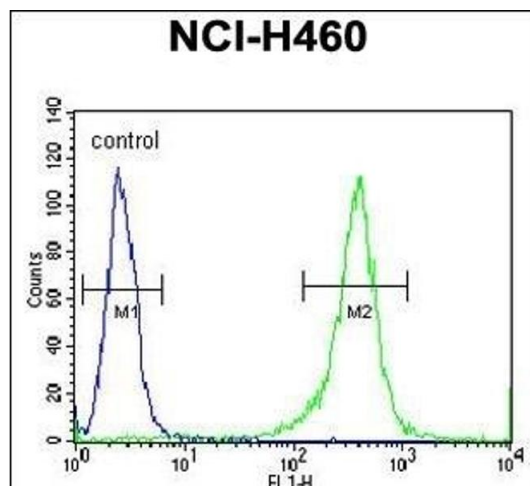
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

Product cited in:	Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic islets." in: <b>Biochemical and biophysical research communications</b> , Vol. 344, Issue 3, pp. 827-33, (2006) ( <a href="#">PubMed</a> ).
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### Flow Cytometry

**Image 1.** FMR1 Antibody (N-term) (ABIN390866 and ABIN2841083) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** Western blot analysis of FMR1 Antibody (N-term) (ABIN390866 and ABIN2841083) in mouse lung tissue lysates (35 µg/lane). FMR1 (arrow) was detected using the purified Pab.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human brain tissue reacted with FMR1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.