

Datasheet for 600-401-CX0**MYT1L Antibody****Overview**

Description:	Anti-MYT1L (RABBIT) Antibody - 600-401-CX0
Item No.:	600-401-CX0
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The myelin transcription factor 1 family, to which the myelin transcription factor 1-like protein (MYT1L) belongs, is expressed primarily in the developing central nervous system and recruits histone deacetylase (HDAC) to regulate neural transcription. Both MYT1L and the related protein MYT1 interact with SIN3B, a protein that mediates transcriptional repression by binding to HDACs, suggesting that the MYT1 family favor the silencing of genes during neural development. Recent studies suggest that polymorphisms of MYT1L may be associated with schizophrenia.
Synonyms:	MYT1L Antibody, NZF1, ZC2HC4B, KIAA1106, Myelin transcription factor 1-like protein, MyT1-L
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MYT1L
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- MYT1L antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human MYT1L.

Purity/Specificity: Anti-MYT1L Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms are known to exist. This antibody will only recognize the two longest isoforms.

Relevant Links:

- [UniProtKB - Q9UL68](#)
- [GeneID - 23040](#)
- [NCBI - NP_055840](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-MYT1L Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 133 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

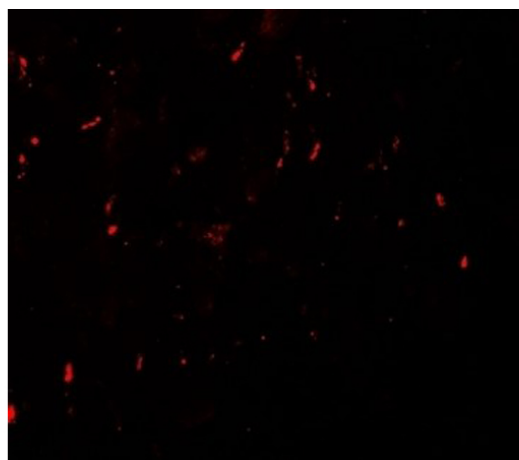
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. 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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

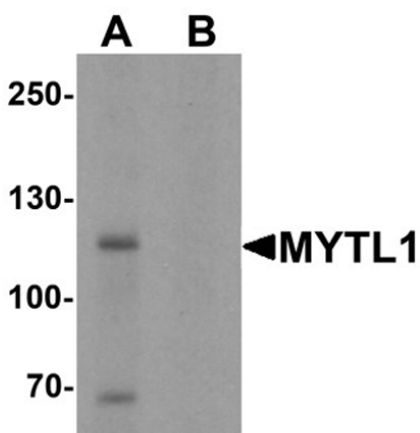


Immunofluorescence Microscopy

Immunofluorescence of MYT1L.

Tissue: human brain.

Primary Antibody: MYT1L antibody at 20 µg/mL.



Western Blot

Western blot analysis of MYT1L.

Load: mouse brain tissue lysate.

Primary Antibody: MYT1L antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

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.