

Datasheet for 600-401-Y10**AMIGO1 Antibody****Overview**

Description:	Anti-AMIGO1 (RABBIT) Antibody - 600-401-Y10
Item No.:	600-401-Y10
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The amphoterin-induced gene and ORF (AMIGO1) protein is a brain-enriched, glycosylated transmembrane immunoglobulin (Ig) superfamily protein with six extracellular leucine-rich repeats (LRRs) and one Ig-like domain. It and the related proteins AMIGO2 and AMIGO3 are thought to be cell adhesion molecules expressed on fiber tracts of neuronal tissues and participate in their formation (1). AMIGO1 has also been suggested to play important roles in dendritic outgrowth during development and could modulate the survival of developing and adult neurons (2).
Synonyms:	AMIGO1 Antibody, ALI2, AMIGO, AMIGO-1, ALI2, KIAA1163, Amphoterin-induced protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AMIGO1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AMIGO1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human AMIGO1

Purity/Specificity: Anti-AMIGO1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. AMIGO1 antibody is human, mouse, and rat reactive. AMIGO1 antibody is predicted to not cross-react with AMIGO2 or AMIGO3.

Relevant Links:

- [UniProtKB - Q86WK6](#)
- [GeneID - 57463](#)
- [NCBI - NP_065754](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-AMIGO1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 55 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

IHC: 5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 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

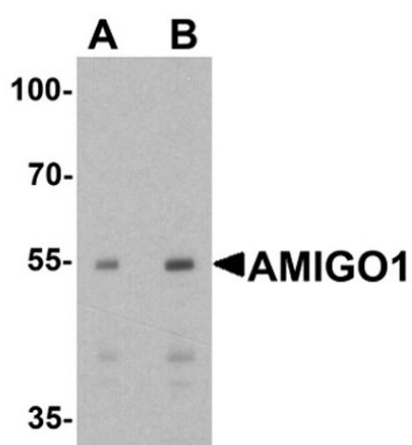
Shipping & Handling

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

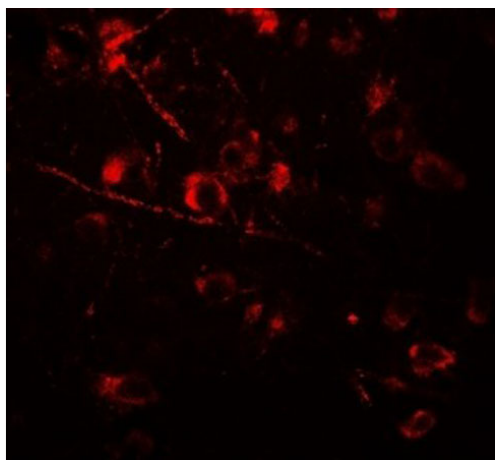


Western Blot

Western blot of AMIGO1.

Load: HeLa cell lysate.

Primary Antibody: AMIGO1 antibody at (A) 1 and (B) 2 µg/ml.

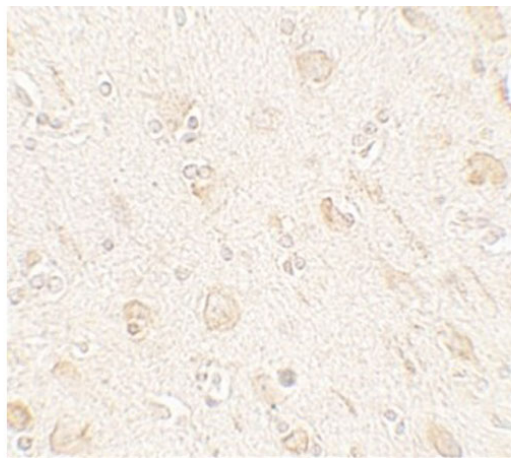


Immunofluorescence Microscopy

Immunofluorescence of AMIGO1.

Tissue: human brain tissue.

Primary Antibody: AMIGO1 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of AMIGO1.

Tissue: human brain tissue.

Primary Antibody: AMIGO1 antibody at 5 µg/mL.

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.