Datasheet for 600-401-EZ2

TAB2 Antibody

Overview

Description:	Anti-TAB2 (RABBIT) Antibody - 600-401-EZ2
Item No.:	600-401-EZ2
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TAB2 is an activator of MAP3K7/TAK1, which is required for the IL-1 induced activation NF-kappaB and MAPK8/JNK. This protein forms a kinase complex with TRAF6, MAP3K7 and TAB1, thus serves as an adaptor linking MAP3K7 and TRAF6. This protein, TAB1, and MAP3K7 also participate in the signal transduction induced by TNFSF11/RANKL through the activation of the receptor activator of NF-kappaB (TNFRSF11A/RANK), which may regulate the development and function of osteoclasts. Recent experiments have shown that TAB2 and the related protein TAB3 constitutively interact with the autophagy mediator Beclin-1; upon induction of autophagy, these proteins dissociate from Beclin-1 and bind TAK1. Overexpression of TAB2 and TAB3 inhibit autophagy, while their depletion triggers it, suggesting that TAB2 and TAB3 act as a control point for autophagy.
Synonyms:	TAB2 Antibody, CHTD2, MAP3K7IP2, KIAA0733, TGF-beta-activated kinase 1 and MAP3K7-binding protein 2, Mitogen-activated protein kinase kinase kinase 7-interacting protein 2, TAB-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TAB2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TAB2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the C-terminus of human TAB2.
Purity/Specificity:	Anti-TAB2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TAB2 antibody is human specific. TAB2 antibody is predicted not to cross-react with other TAB proteins.
Relevant Links:	• UniProtKB - Q9NYJ8 • GeneID - 23118 • NCBI - NP_001278963.1

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-TAB2 Antibody has been tested for use in ELISA, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 76 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:	User Optimized
IHC:	5 µg/mL

Formulation

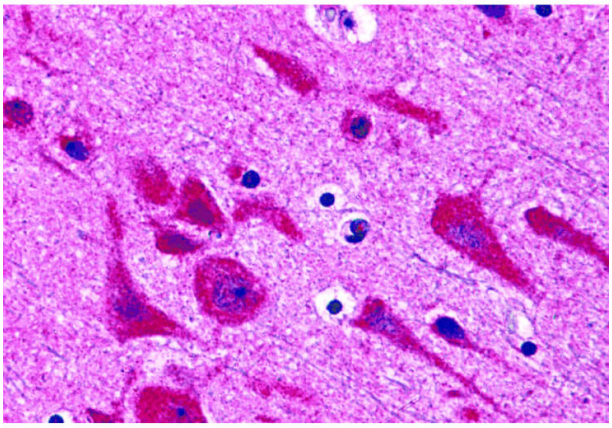
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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



Immunohistochemistry
Immunohistochemistry of TAB2 antibody. Tissue: human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TAB2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TAB2 is located in the cell junction, membrane, synapse, and synaptosome. Staining: TAB2 is stained with toluidine blue.

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.