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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-FL6

TOLLIP Antibody

Overview

Description:	Anti-TOLLIP (RABBIT) Antibody - 600-401-FL6
Item No.:	600-401-FL6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules to activate various kinases and transcription factors so the organism can respond to potential infection. These adaptor molecules include TOLLIP, MyD88, and TRIF. TOLLIP associates directly with TLR2 and TLR 4, acting as an inhibitor to TLR activation. This negative regulation of TLR signaling may serve to limit the production of proinflammatory mediators during infection and inflammation.
Synonyms:	TOLLIP Antibody, IL-1RAcPIP, Toll-interacting protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TOLLIP
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TOLLIP antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the C-terminus of human TOLLIP.

Purity/Specificity:	Anti-TOLLIP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TOLLIP from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H0E2 • GeneID - 54472 • NCBI - NP_001305441.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TOLLIP Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry, immunohistochemistry, and immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 30 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

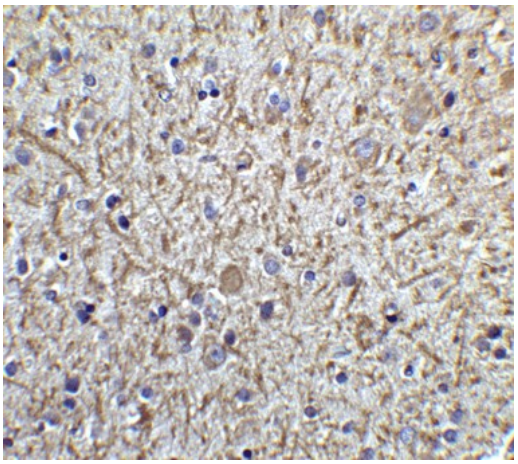
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

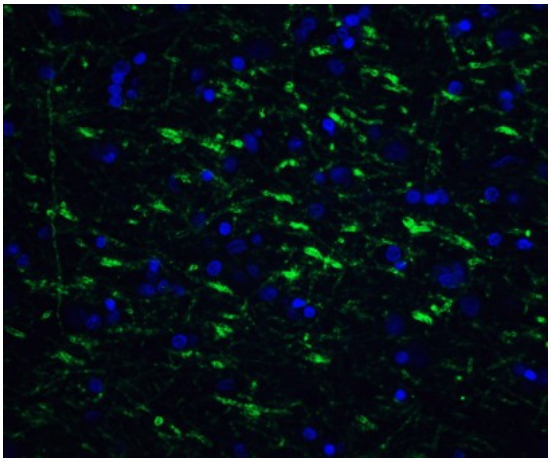
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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.

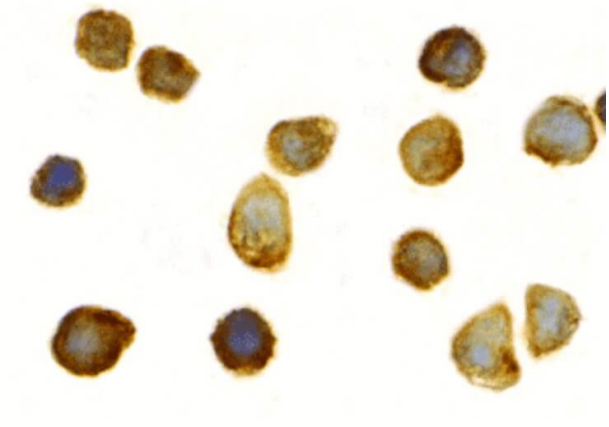
Images



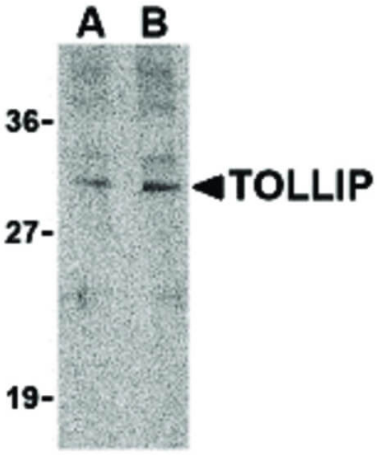
Immunohistochemistry
Immunohistochemistry of TOLLIP in human brain tissue with TOLLIP antibody at 5 µg/ml.



Immunofluorescence Microscopy
Immunofluorescence of TOLLIP in human brain tissue with TOLLIP antibody at 20 µg/ml. Green: TOLLIP Antibody. Blue: DAPI staining.



Immunohistochemistry
Immunocytochemistry of TOLLIP antibody. Cell Type: THP-1 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TOLLIP antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TOLLIP is located in the cell membrane. Staining: TOLLIP is stained brown with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of TOLLIP antibody in rat brain cell lysate. Lane A: TOLLIP antibody at 1 µg/mL. Lane B: TOLLIP antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: TOLLIP antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 30 kDa, 28 kDa for TOLLIP. Other band(s): TOLLIP splice variants and isoforms.

Disclaimer

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