

Datasheet for 600-401-DT5**PRR5 Antibody****Overview**

Description:	Anti-PRR5 (RABBIT) Antibody - 600-401-DT5
Item No.:	600-401-DT5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Proline-rich protein 5 (PRR5), also known as Protor-1, is a 388 amino acid protein in Protor family, is thought to act as a tumor suppressor in breast and colorectal tumorigenesis. PRR5 is widely expressed and possesses two RICTOR interaction sites and a C-terminal Proline rich region. It promotes Rapamycin complex 2 (mTORC2) activity. There are four isoforms of PRR5 that are produced as a result of alternative splicing events and these isoforms play an important role in the modulation of platelet-derived growth factor signaling and in the regulation of PDGFR-beta expression.
Synonyms:	PRR5 Antibody, PP610, PROTOR1, PROTOR-1, FLJ20185k, PP610, Proline-rich protein 5, Protein observed with Rictor-1, Protor-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRR5
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PRR5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the C-terminus of human PRR5.

Purity/Specificity:	Anti-PRR5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PRR5 antibody is predicted to not cross-react with other Protor protein family members.
Relevant Links:	• UniProtKB - P85299 • GeneID - 55615 • NCBI - NP_851850

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-PRR5 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 43 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
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

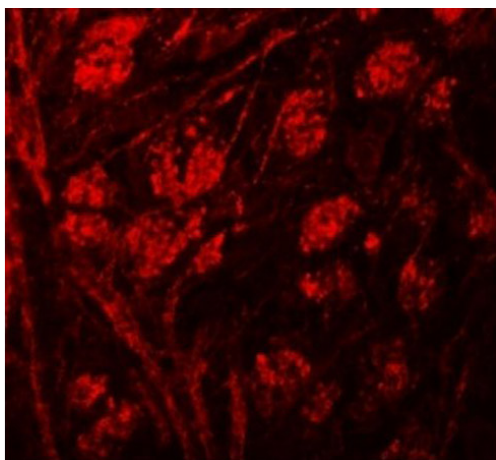
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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:

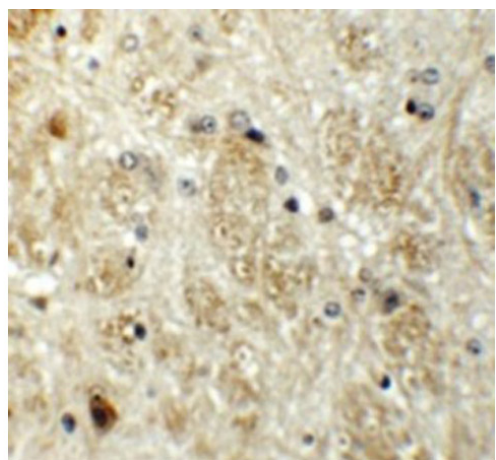
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of PRR5.

Tissue: mouse brain tissue.

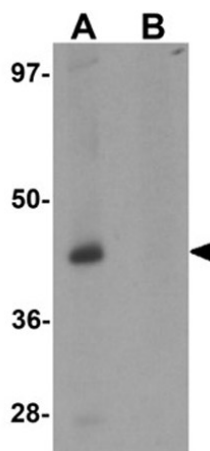
Primary Antibody: PRR5 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of PRR5.

Tissue: mouse brain tissue.

Primary Antibody: PRR5 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of PRR5.

Load: SK-N-SH cell lysate.

Primary Antibody: PRR5 antibody at 1 μ g/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.