

Datasheet for 600-401-DT7**PRRT2 Antibody****Overview**

Description:	Anti-PRRT2 (RABBIT) Antibody - 600-401-DT7
Item No.:	600-401-DT7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The proline-rich transmembrane protein 2 (PRRT2) contains a proline-rich domain in its N-terminal half and is predominantly expressed in brain and spinal cord in embryonic and postnatal stages. While little is known of the function of this protein, mutations in PRRT2 have been shown to be the causative gene of paroxysmal kinesigenic dyskinesia, which is characterized by recurrent, brief attacks of abnormal involuntary movements induced by sudden voluntary movements. Recent studies have shown that PRRT2 may also be involved in some forms of benign familial infantile epilepsy (BFIE), an autosomal dominant epilepsy syndrome.
Synonyms:	PRRT2 Antibody, PKC, EKD1, ICCA, BFIC2, BFIS2, DSPB3, DYT10, FICCA, IFITMD1, Proline-rich transmembrane protein 2, Dispanin subfamily B member 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRRT2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PRRT2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid peptide near the internal region of human PRRT2.

Purity/Specificity: Anti-PRRT2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of PRRT2 are known to exist.

Relevant Links:

- [UniProtKB - Q7Z6L0](#)
- [GeneID - 112476](#)
- [NCBI - NP_001243371](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-PRRT2 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 35 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: User Optimized

IHC: User Optimized

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

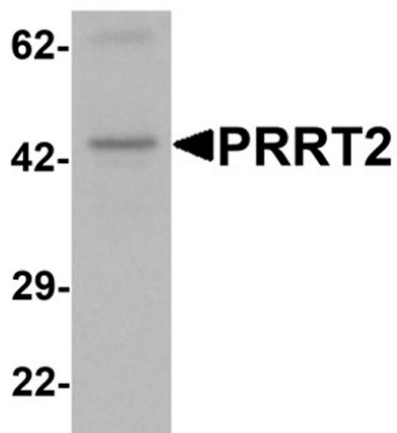
Shipping & Handling

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:

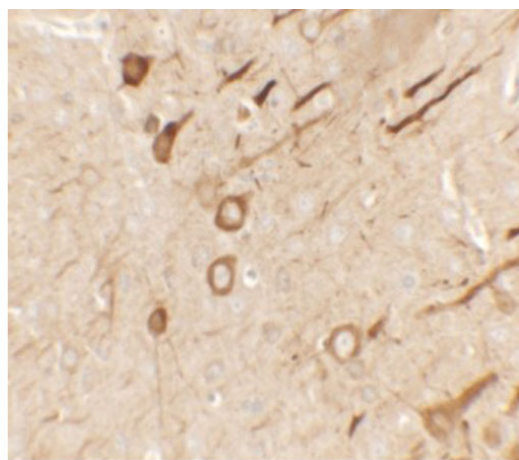
Expiration date is one (1) year from date of receipt.

Images**Western Blot**

Western blot analysis of PRRT2.

Load: mouse brain tissue lysate.

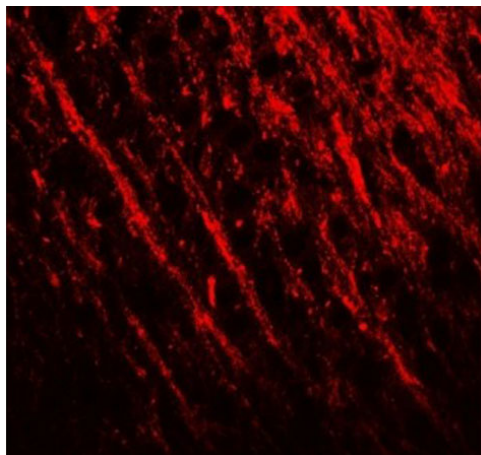
Primary Antibody: PRRT2 antibody at 1 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of PRRT2.

Tissue: rat brain tissue.

Primary Antibody: PRRT2 antibody at 2.5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of PRRT2.

Tissue: rat brain tissue.

Primary Antibody: PRRT2 antibody at 20 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.