

Datasheet for 600-401-DT0**PRICKLE4 Antibody****Overview**

Description:	Anti-PRICKLE4 (RABBIT) Antibody - 600-401-DT0
Item No.:	600-401-DT0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	PRICKLE4, also known as over-expressed breast tumor protein (OBTP), is a member of the LIM family of proteins. It possesses two LIM domains as well as a PET domain and is thought to localize to the nucleus. Its expression in multiple malignant tissue differentiations indicate that it may play a role in cancer differentiation. Two other members of the LIM family, PRICKLE1 and PRICKLE2, are thought to function in the noncanonical WNT signaling pathway which regulates intracellular calcium release and planar cell polarity, suggesting the PRICKLE4 may play a similar role.
Synonyms:	PRICKLE4 Antibody, OBTP, OEBT, TOMM6, C6orf49, Prickle-like protein 4, Overexpressed breast tumor protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRICKLE4
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PRICKLE4 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human PRICKLE4.

Purity/Specificity: Anti-PRICKLE4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two isoforms of PRICKLE4 are known to exist. PRICKLE4 antibody is predicted to not cross-react with other PRICKLE protein family members.

Relevant Links:

- [UniProtKB - Q2TBC4](#)
- [GeneID - 29964](#)
- [NCBI - NP_037529](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-PRICKLE4 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 38 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: 1:2,500

IF: 5 µg/mL

WB: .25 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:

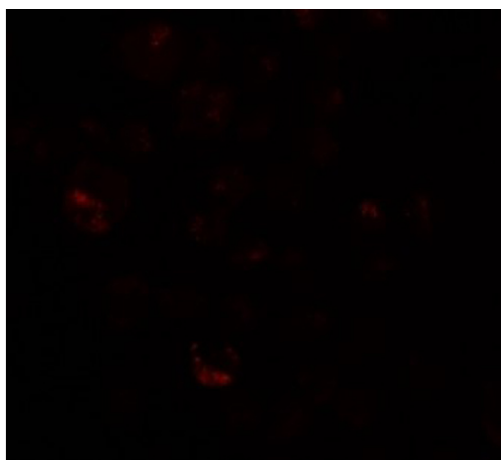
Expiration date is one (1) year from date of receipt.

Images**Immunocytochemistry**

Immunocytochemistry of PRICKLE4.

Cell: A549 cells.

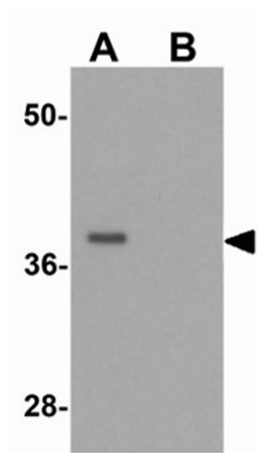
Primary Antibody: PRICKLE4 antibody at 5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of PRICKLE4.

Tissue: A549 cells.

Primary Antibody: PRICKLE4 antibody at 20 µg/mL.

**Western Blot**

Western blot analysis of PRICKLE4.

Load: A549 cell lysate.

Primary Antibody: PRICKLE4 antibody at 0.25 µg/ml in the (A) absence and (B) 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.