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

Datasheet for 600-401-DT9

PRTFDC1 Antibody

Overview

Description:	Anti-PRTFDC1 (RABBIT) Antibody - 600-401-DT9
Item No.:	600-401-DT9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Rat
Host Species:	Rabbit

Product Details

Background:	Phosphoribosyl transferase domain containing 1 (PRTFDC1) is highly homologous to the hypoxanthine phosphoribosyltransferase (HPRT1) and may have arisen from a gene duplication event of a common ancestor gene. Recently, it was shown that CpG islands in the PRTFDC1 promoter could be hypermethylated in ovarian cancers and oral squamous-cell carcinomas (OSCC), leading to gene silencing. Restoration of PRTFDC1 expression in OSCC inhibited cell growth in colony-formation assays, while knockdown of PRTFDC1 expression in OSCC that expressed the gene promoted cell growth. These results suggest that PRTFDC1 can act as a tumor-suppressor gene. At least three isoforms of PRTFDC1 are known to exist.
Synonyms:	PRTFDC1 Antibody, HHGP, HHGP, Phosphoribosyltransferase domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRTFDC1
Reactivity:	Human, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PRTFDC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the internal region of human PRTFDC1.

Purity/Specificity:	Anti-PRTFDC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PRTFDC1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NRG1 • GeneID - 56952 • NCBI - NP_064585

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PRTFDC1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 26 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
WB:	1 µg/mL

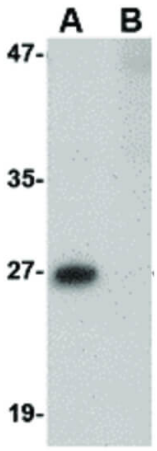
Formulation

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 of PRTFDC1 antibody. Lane A: Human brain tissue lysate in the absence of blocking peptide. Lane B: Human brain tissue lysate in the presence of blocking peptide. Load: 35 µg per lane. Primary Antibody: anti-PRTFDC1 at 1 µg/mL. 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: 25.6 kDa, ~27 kDa for PRTFDC1.

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.