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Datasheet for 600-401-DU9

PTPRD Antibody

Overview

Description:	Anti-PTPRD (RABBIT) Antibody - 600-401-DU9
Item No.:	600-401-DU9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	PTPRD (Protein tyrosine phosphatase receptor type D) is a member of the protein tyrosine phosphatase (PTP) family that plays diverse roles during development including cell growth, differentiation, mitotic cycle and oncogenic transformation. PTPRD contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. The extracellular region of PTPRD is composed of three Ig-like and eight fibronectin type III-like domains (1,3). PTPRD interacts with PPFIA1-3 and is a tumor suppressor on chromosome 9p that is involved in the development of glioblastoma multiforme (GBMs) and multiple human cancers.
Synonyms:	PTPRD Antibody, HPTP, PTPD, HPTPD, HPTPDELTA, RPTPDELTA, Receptor-type tyrosine-protein phosphatase delta, Protein-tyrosine phosphatase delta
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Anti-PTPRD Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PTPRD antibody is human specific. At least three alternatively spliced transcript variants encoding distinct isoforms have been observed. PTPRD cleaved products are often observed in vivo.
Relevant Links:	• UniProtKB - P23468 • GeneID - 5789 • NCBI - NP_569075

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PTPRD 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 215 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
WB:	1-2 µg/mL

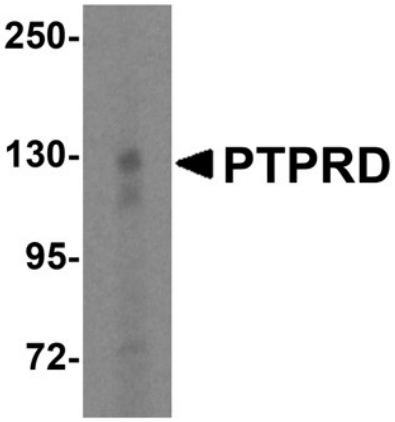
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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 PTPRD.
Load: HeLa cell lysate.
Primary Antibody: PTPRD antibody at 1 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.