

Datasheet for 600-401-DS2**PPFIA3 Antibody****Overview**

Description:	Anti-PPFIA3 (RABBIT) Antibody - 600-401-DS2
Item No.:	600-401-DS2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The PPFIA3 protein is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family, a family of transmembrane protein tyrosine phosphatases known to be important for axon guidance and mammary gland development (1). Similar to the other liprin family members, PPFIA3 can interact with ERC2, a member of the ELKS-Rab6-interacting protein-CAST family of proteins at the presynaptic termini, suggesting that these proteins may play a role in the molecular organization of presynaptic zones (2).
Synonyms:	PPFIA3 Antibody, LPNA3, KIAA0654, Liprin-alpha-3, Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-3, PTPRF-interacting protein alpha-3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PPFIA3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PPFIA3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human PPFIA3

Purity/Specificity: Anti-PPFIA3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PPFIA3 antibody is human, mouse, and rat reactive.

Relevant Links:

- [UniProtKB - O75145](#)
- [GeneID - 8541](#)
- [NCBI - NP_003651](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-PPFIA3 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 133 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 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.

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.