

Datasheet for 600-401-FZ5**WWC1 Antibody****Overview**

Description:	Anti-WWC1 (RABBIT) Antibody - 600-401-FZ5
Item No.:	600-401-FZ5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The WW and C2 domain containing 1 (WWC1) protein, also known as KIBRA, possesses two WW domains and an internal C2-like domain (1). WWC1 was originally identified as a memory performance-associated protein in humans (2) and has recently been shown to be a novel regulator of the Hippo pathway (3). WWC1 is phosphorylated by the mitotic kinases Aurora-A and -B (4), and in turn activates the Aurora kinases and is required for precise chromosome alignment during mitosis (5).
Synonyms:	WW and C2 domain containing 1, HBEBP3, HBEBP36, KIBRA, MEMRYQTL, HBeAg-binding protein 3, Kidney and brain protein, KIBRA, WW domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WWC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-WWC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human WWC1.

Purity/Specificity: Anti-WWC1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WWC1 antibody is human, mouse and rat reactive. At least three isoforms of WWC1 are known to exist; this antibody will detect all three isoforms.

Relevant Links:

- [UniProtKB - Q8IX03](#)
- [GeneID - 23286](#)
- [NCBI - NP_001155133.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-WWC1 Antibody has been tested for use in ELISA, Immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 125 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

IF: 20 µg/mL

IHC: 5 µg/mL

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

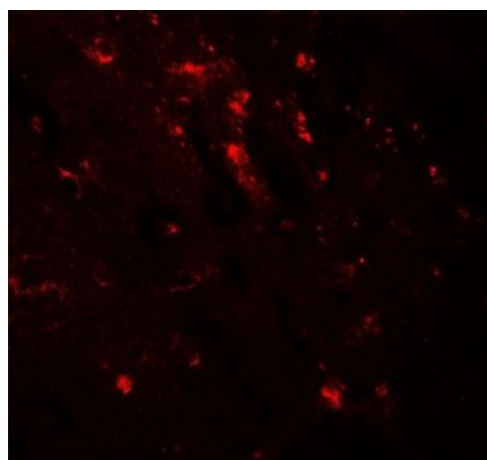
Shipping & Handling

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

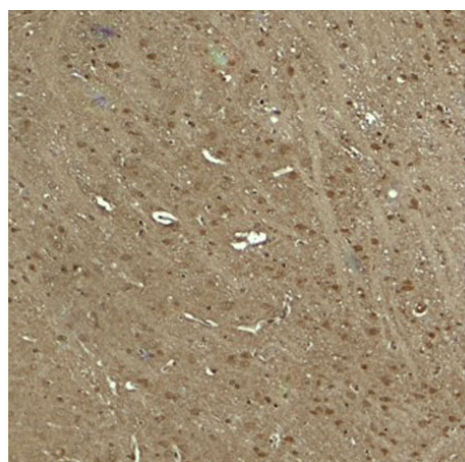


Immunofluorescence Microscopy

Immunofluorescence of WWC1.

Tissue: mouse brain tissue.

Primary Antibody: WWC1 antibody at 20 µg/ml.

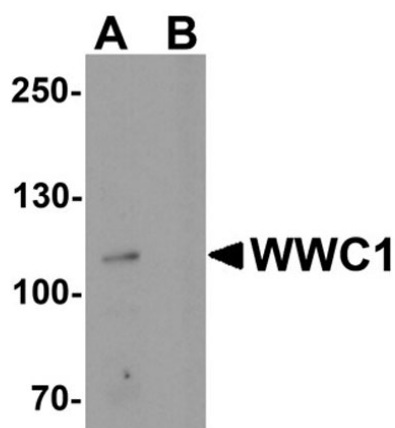


Immunohistochemistry

Immunohistochemistry of WWC1.

Tissue: mouse brain tissue.

Primary Antibody: WWC1 antibody at 5 µg/ml.

**Western Blot**

Western blot of WWC1.

Load: human brain tissue lysate.

Primary Antibody: WWC1 antibody at 1 µg/ml in (A) the absence and (B) the 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.