

Datasheet for 600-401-FY0**WDR5 Antibody****Overview**

Description:	Anti-WDR5 (RABBIT) Antibody - 600-401-FY0
Item No.:	600-401-FY0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	WD repeat domain 5 (WDR5) is a member of the WD repeat protein family, which is involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. WDR5, also known as BIG-3, is expressed in the developing growth plate, accelerates chondrocyte and osteoblast differentiation in vitro, and regulates osteoblast differentiation during embryonic bone development. WDR5 interacts with the pluripotency factor Oct4/POU5F1 and is required for the efficient formation of induced pluripotent stem (iPS) cells.
Synonyms:	WDR5 Antibody, SWD3, BIG-3, BIG3, WD repeat-containing protein 5, BMP2-induced 3-kb gene protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WDR5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-WDR5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human WDR5.

Purity/Specificity:	Anti-WDR5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. WDR5 antibody is human specific. WDR5 antibody is predicted to not cross-react with other WDR family members.
Relevant Links:	• UniProtKB - P61964 • GeneID - 11091 • NCBI - NP_060058.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-WDR5 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 37 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
IF:	20 µg/mL
WB:	1 µg/mL

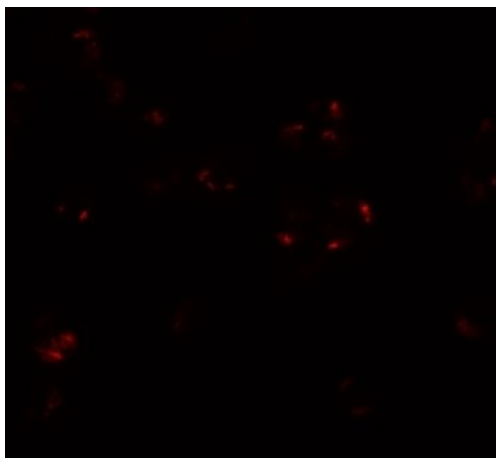
Formulation

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



Immunofluorescence Microscopy

Immunofluorescence of WDR5.

Cell: 293 cells.

Primary Antibody: WDR5 antibody at 20 µg/mL.

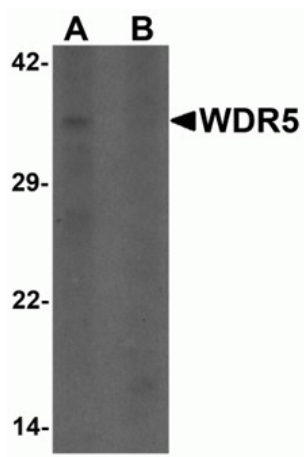


Immunocytochemistry

Immunocytochemistry of WDR5.

Cell: 293 cells.

Primary Antibody: WDR5 antibody at 5 µg/mL.



Western Blot

Western blot analysis of WDR5.

Load: 293 cell lysate.

Primary Antibody: WDR5 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.