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Datasheet for 600-401-GA6

YPEL4 Antibody

Overview

Description:	Anti-YPEL4 (RABBIT) Antibody - 600-401-GA6
Item No.:	600-401-GA6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	YPEL4 (yippee-like 4) belongs to a family of five yippee-like proteins, all of which localize to the centrosome or mitotic spindle and are widely expressed in both adult and fetal tissue. This localization plus the fact that the family of human YPEL proteins share a high degree of sequence homology across species suggests that these proteins may have a conserved function involved in cell division. YPEL4 is ubiquitously expressed in adult tissues and has been shown to associate with the major vault protein (MVP). It has been suggested that MVP can inhibit YPEL4's ability to activate Elk-1 in the MAPK signaling pathway.
Synonyms:	YPEL4 Antibody, Protein yippee-like 4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	YPEL4
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-YPEL4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide near the N-terminus of human YPEL4.

Purity/Specificity:	Anti-YPEL4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with YPEL4 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96NS1 • GeneID - 219539 • NCBI - NP_659445.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-YPEL4 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 14 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:	User Optimized
WB:	1 µg/mL

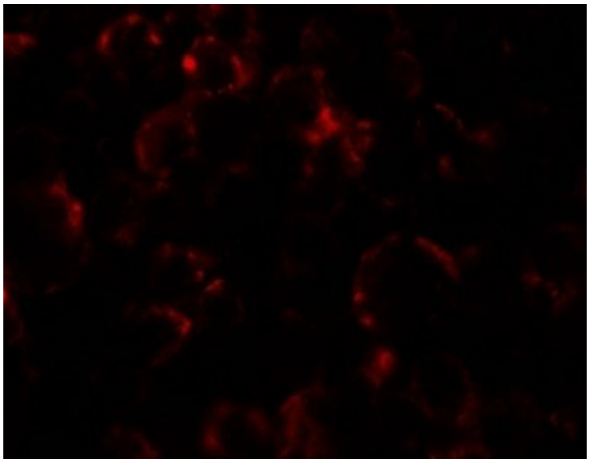
Formulation

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

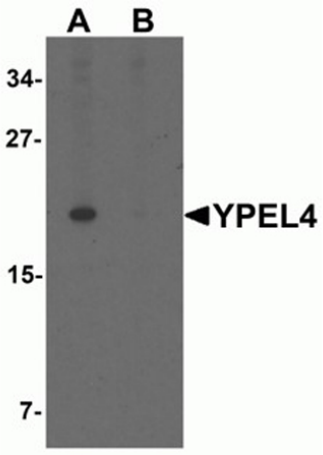
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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 YPEL4.
Cell: SW480 cells.
Primary Antibody: YPEL4 antibody at 5 µg/ml.

Immunocytochemistry
Immunocytochemistry of YPEL4.
Cell: SW480 cells.
Priamry Antibody: YPEL4 antibody at 2.5 µg/ml.



Western Blot
Western blot analysis of YPEL4.
Load: SW480 cell lysate.
Primary Antibody: YPEL4 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.