

Datasheet for 600-401-GA7**YPEL5 Antibody****Overview**

Description:	Anti-YPEL5 (RABBIT) Antibody - 600-401-GA7
Item No.:	600-401-GA7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	YPEL5 (yippee-like 5) 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. YPEL5 is expressed at the nucleus and centrosome during interphase; during mitosis, it localizes to the spindle poles, mitotic spindle, and spindle midzone during mitosis. Finally, during cytokinesis, YPEL5 is localized to the midbody. It is associated with the Ran Binding Protein in the Microtubule organizing center (RanBPM) and a related protein RanBP10.
Synonyms:	YPEL5 Antibody, CGI-127, Protein yippee-like 5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	YPEL5
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-YPEL5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human YPEL5.

Purity/Specificity: Anti-YPEL5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with YPEL5 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P62699](#)
- [GeneID - 51646](#)
- [NCBI - NP_001120871.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-YPEL5 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: 2.5 µg/mL

WB: 1 µg/mL

Other: Immunocytochemistry: 2.5 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

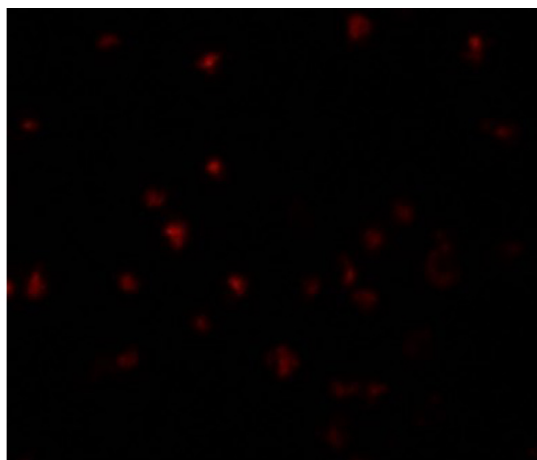
Shipping & Handling

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 YPEL5.

Cell: A20 cells.

Primary Antibody: YPEL5 antibody at 5 µg/mL.

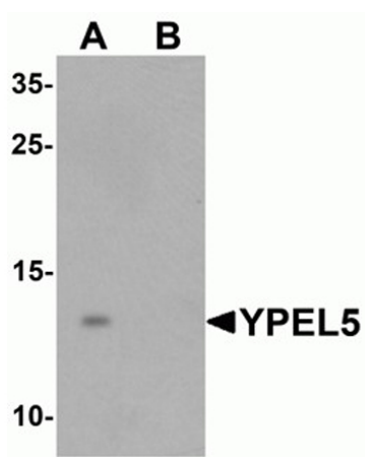


Immunocytochemistry

Immunocytochemistry of YPEL5.

Cell: A20 cells.

Primary Antibody: YPEL5 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of YPEL5.

Load: A20 cell lysate.

Primary Antibody: YPEL5 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.