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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

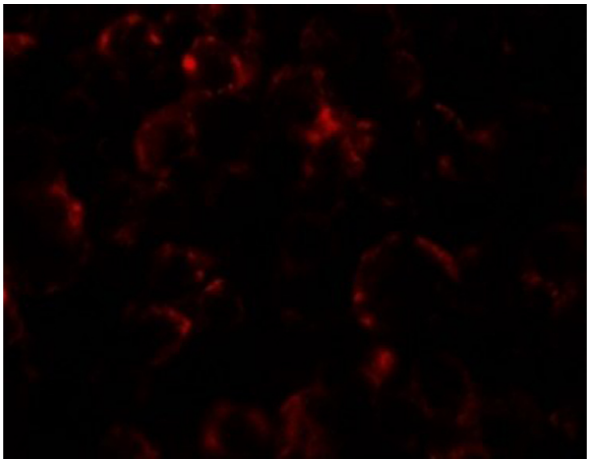
Formulation

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.

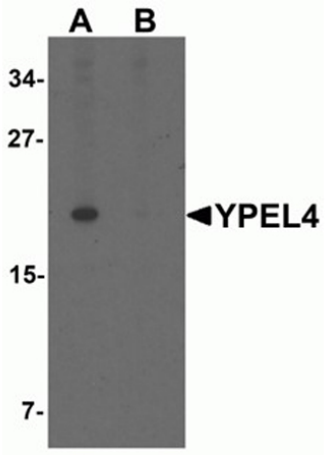
Images



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.

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