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YPEL5 Antibody
Catalog # ASC11460

Specification

YPEL5 Antibody - Product Information

Application	**WB, ICC, IF**
Primary Accession	P62699
Other Accession	NP_057145, 7706341
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**YPEL5 antibody can be used for detection of YPEL5 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/mL.**

YPEL5 Antibody - Additional Information

Gene ID	**51646**

Target/Specificity
YPEL5;

Reconstitution & Storage
YPEL5 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
YPEL5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

YPEL5 Antibody - Protein Information

Name YPEL5

Function
Component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (PubMed:29911972). Required for normal cell proliferation (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q65Z55}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q65Z55}. Cytoplasm, cytoskeleton, spindle pole {ECO:0000250|UniProtKB:Q65Z55}. Midbody {ECO:0000250|UniProtKB:Q65Z55} Note=Deteted in nucleus and at the centrosome during interphase. During mitosis, detected on the mitotic spindle,

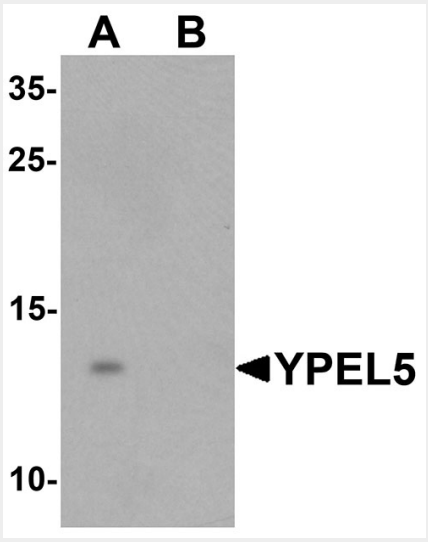
at spindle poles and at the midbody. {ECO:0000250|UniProtKB:Q65Z55}

YPEL5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

YPEL5 Antibody - Images

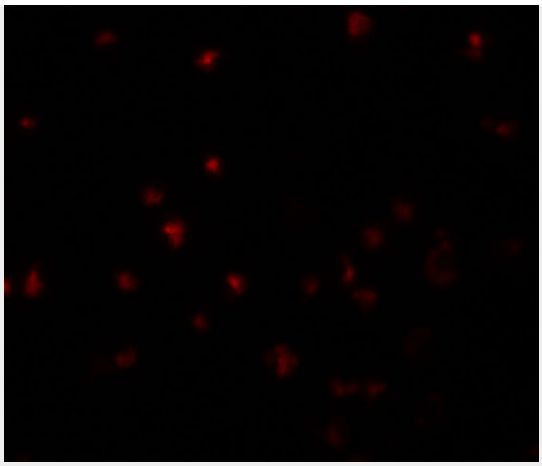


Western blot analysis of YPEL5 in A-20 cell lysate with YPEL5 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of YPEL5 in A20 cells with YPEL5 antibody at 2.5 µg/mL.

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Immunofluorescence of YPEL5 in A20 cells with YPEL5 antibody at 5 µg/mL.

YPEL5 Antibody - Background

YPEL5 Antibody: 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.

YPEL5 Antibody - References

Hosono K, Sasaki T, Minoshima S, et al. Identification and characterization of a novel gene family YPEL in a wide spectrum of eukaryotic species. Gene 2004; 340: 31-43.
Hosono K, Noda S, Shimuzu A, et al. YPEL5 protein of the YPEL gene family is involved in the cell cycle progression by interacting with two distinct proteins RanBPM and RanBP10. Genomics 2010; 96:102-11.