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YPEL3 Antibody
Catalog # ASC11458

Specification

YPEL3 Antibody - Product Information

Application	**WB, ICC, IF**
Primary Accession	P61236
Other Accession	NP_113665, 117956405
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**YPEL3 antibody can be used for detection of YPEL3 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.**

YPEL3 Antibody - Additional Information

Gene ID **83719**

Target/Specificity
YPEL3;

Reconstitution & Storage
YPEL3 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
YPEL3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

YPEL3 Antibody - Protein Information

Name YPEL3

Function
Involved in proliferation and apoptosis in myeloid precursor cells.

Cellular Location
Nucleus, nucleolus.

Tissue Location
Widely expressed..

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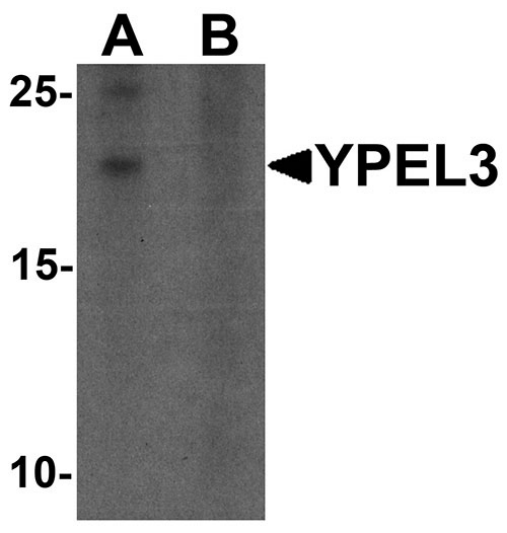
YPEL3 Antibody - Protocols

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

YPEL3 Antibody - Images



Western blot analysis of YPEL3 in A-20 cell lysate with YPEL3 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide

Immunocytochemistry of YPEL3 in A20 cells with YPEL3 antibody at 2.5 µg/mL.

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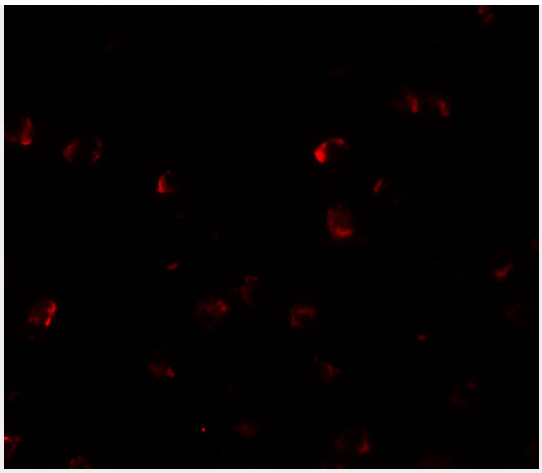

Immunofluorescence of YPEL3 in A20 cells with YPEL3 antibody at 5 µg/mL.

YPEL3 Antibody - Background

YPEL3 Antibody: YPEL3 (yippee-like 3) 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. YPEL3 is a p53-regulated gene whose expression is induced by DNA damage and in turn induces cellular senescence. It appears to function as a tumor suppressor as it is downregulated in colon and breast tumors.

YPEL3 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.
Kelley K, Miller KR, Todd A, et al. YPEL3, a p53-regulated gene that induces cellular senescence. Cancer Res. 2010; 70:3566-75.
Tuttle R, Simon R, Hitch DC, et al. Senescence-associated gene YPEL3 is downregulated in human tumors. Ann. Surg. Oncol. 2011; 18:1791-6.
Tuttle R, Miller KR, Maiorano JN, et al. Novel senescence associated gene, YPEL3, is repressed by estrogen in ER+ mammary tumor cells and required for tamoxifen-induced cellular senescence. Int. J. Cancer 2011; epub.