

YPEL2 Antibody

Catalog # ASC11457

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q96QA6
Other Accession	EAW94407 , 53292625
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	13577
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	YPEL2 antibody can be used for detection of YPEL2 by Western blot at 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Additional Information

Gene ID	388403
Other Names	Protein yippee-like 2, YPEL2
Target/Specificity	YPEL2;
Reconstitution & Storage	YPEL2 antibody can be stored at 4°C for three months and -20°C, 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	YPEL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	YPEL2
Cellular Location	Nucleus, nucleolus.
Tissue Location	Widely expressed. Detected in fetal and adult kidney, heart, liver, lung and skeletal muscle

Background

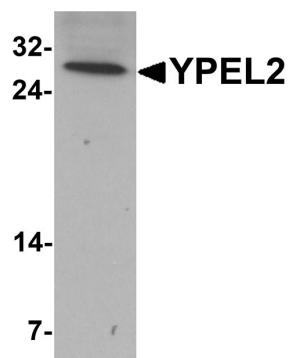
YPEL2 Antibody: YPEL2 (yippee-like 2) belongs to a family of five yippee-like proteins, all of which localize to

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. YPEL2 might be an important factor during the development and malignant transformation of tissues, most notably pancreatic and breast tumors.

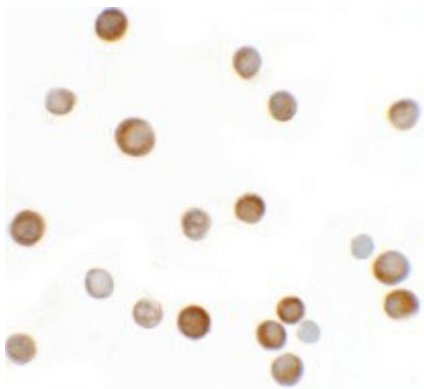
References

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.
Couch FJ, Wang X, Bamlet WR, et al. Association of mitotic regulation pathway polymorphisms with pancreatic cancer risk and outcome. *Cancer Epidemiol. Biomarkers Prev.* 2010; 19:251-7
Olson JE, Wang X, Pankratz VS, et al. Centrosome-related genes, genetic variation, and risk of breast cancer. *Breast Cancer Res. Treat.* 2011; 125:221-8.

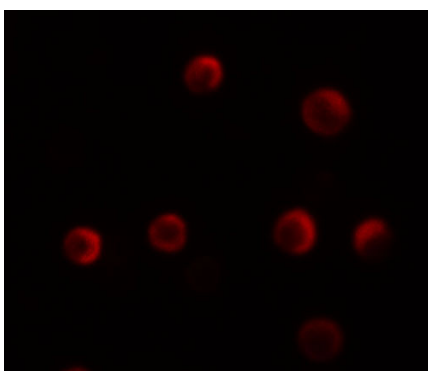
Images



Western blot analysis of YPEL2 in HeLa cell lysate with YPEL2 antibody at 1 $\mu\text{g/mL}$.



Immunocytochemistry of YPEL2 in HeLa cells with YPEL2 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of YPEL2 in HeLa cells with YPEL2 antibody at 5 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.