

## AKAP 220 Rabbit pAb

CatalogNo: YT0165

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat

#### Applications

- IHC,IF,ELISA

#### MW

- 211kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human AKAP11. AA range:1761-1810

**Specificity** AKAP 220 Polyclonal Antibody detects endogenous levels of AKAP 220 protein.

### Target Information

**Gene name** AKAP11

**Protein Name** A-kinase anchor protein 11

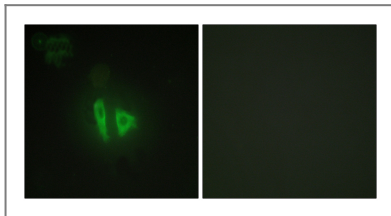
Organism	Gene ID	UniProt ID
Human	<a href="#">11215</a> ;	<a href="#">Q9UKA4</a> ;

**Cellular Localization** Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasmic in premeiotic pachytene spermatocytes and in the centrosome of developing postmeiotic germ cells, while a midpiece/centrosome localization was found in elongating spermatocytes and mature sperm.

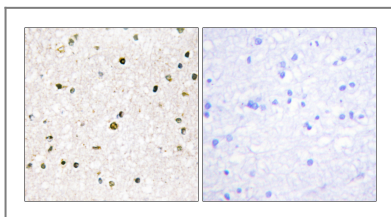
**Tissue specificity** Expressed in heart, brain, lung, liver, kidney, testis and ovary. Weakly expressed in skeletal muscle, pancreas and spleen.

**Function** Domain:RII-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.,Function:Binds to type II regulatory subunits of protein kinase A and anchors/targets them.,similarity:Belongs to the AKAP110 family.,subcellular location:Cytoplasmic in premeiotic pachytene spermatocytes and in the centrosome of developing postmeiotic germ cells, while a midpiece/centrosome localization was found in elongating spermatocytes and mature sperm.,tissue specificity:Expressed in heart, brain, lung, liver, kidney, testis and ovary. Weakly expressed in skeletal muscle, pancreas and spleen.,

## Validation Data



Immunofluorescence analysis of HepG2 cells, using AKAP11 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using AKAP11 Antibody. The picture on the right is blocked with the synthesized peptide.

## Contact information

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**AKAP 220 Rabbit pAb**

