



# EPPI rabbit pAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Catalog No</b>                  | YP-Ab-08300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reactivity</b>                  | Human; Mouse; Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | EPPIN SPINLW1 WAP7 WFDC7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>                   | Synthesized peptide derived from human EPPI AA range: 55-105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>                 | This antibody detects endogenous levels of EPPI at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                      | Polyclonal, Rabbit, IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>                    | CT71; CT72; WAP7; WFDC7; SPINLW1; dJ461P17.2; EPPIN; EPPI; EPPIN SPINLW1 WAP7 WFDC7                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | [Isoform 1]: Secreted. Cell surface. Bound to the surface of testicular and on the head and tail of ejaculate spermatozoa.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Tissue Specificity</b>          | In testis, expressed and secreted by Sertoli cells, appearing on the surface of testicular and ejaculate spermatozoa. Expressed in the spermatogonia and the earliest preleptotene spermatocytes. In the epididymis, is expressed and secreted by epithelial cells and covers the surface of epididymal spermatozoa and ciliated epithelial cells (at protein level). Expressed specifically in epididymis and testis. Isoform 2 is expressed only in the epididymis. Weak expression is detected in myoid cells as well as spermatogenic cells. |
| <b>Function</b>                    | similarity: Contains 1 BPTI/Kunitz inhibitor domain., similarity: Contains 1 WAP domain., tissue specificity: Expressed in epididymis and testis., tissue specificity: Ubiquitously expressed, but the highest levels are found in epididymis, testis and trachea.,                                                                                                                                                                                                                                                                              |



## Background

This gene encodes an epididymal protease inhibitor, which contains both kunitz-type and WAP-type four-disulfide core (WFDC) protease inhibitor consensus sequences. Most WFDC genes are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene is a member of the WFDC gene family and belongs to the telomeric cluster. The protein can inhibit human sperm motility and exhibits antimicrobial activity against *E. coli*, and polymorphisms in this gene are associated with male infertility. Read-through transcription also exists between this gene and the downstream WFDC6 (WAP four-disulfide core domain 6) gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014],

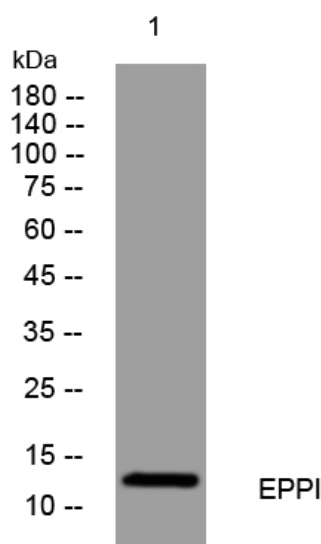
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from MDA-MB cells, primary antibody was diluted at 1:1000, 4° over night