

# Anti-CBP86 Antibody

Catalog # AP50723

## Product Information

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|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">O75952</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 52774                  |

## Additional Information

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| Gene ID            | 26256                                                                                                                                                                                                                          |
| Other Names        | CBP86; FSP2; Calcium-binding tyrosine phosphorylation-regulated protein; Calcium-binding protein 86; Cancer/testis antigen 88; CT88; Fibrousheathin II; Fibrousheathin-2; FSP-2; Testis-specific calcium-binding protein CBP86 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CBP86. The exact sequence is proprietary.                                                                                           |
| Dilution           | WB~~ 1:1000                                                                                                                                                                                                                    |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                                                                      |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                                      |

## Protein Information

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| Name              | CABYR                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms          | CBP86, FSP2                                                                                                                                                                                                                                                                                                                                                                   |
| Function          | May function as a regulator of both motility- and head- associated functions such as capacitation and the acrosome reaction. Isoform 1 binds calcium in vitro. Isoform 2 and isoform 6 probably bind calcium. Isoform 3 and isoform 5 do not bind calcium in vitro. Isoform 4 probably does not bind calcium.                                                                 |
| Cellular Location | Cytoplasm, cytoskeleton. Cell projection, cilium, flagellum. Note=Localized to fibrous sheath including the surface of the longitudinal columns and ribs of the principal piece of sperm flagella [Isoform 3]; Nucleus. Cytoplasm. Cell projection, cilium, flagellum. Note=According to PubMed:15752768, isoform 1, isoform 3 and isoform 5 are both nuclear and cytoplasmic |
| Tissue Location   | Expressed in elongating spermatids and spermatozoa (at protein level).                                                                                                                                                                                                                                                                                                        |

Isoform 1 is expressed in testis. Isoform 3 and isoform 5 are also expressed in brain, pancreas and numerous brain tumors.

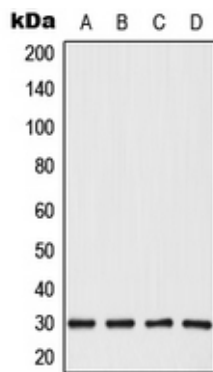
## References

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Nusbaum C.,et al.Nature 437:551-555(2005).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
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## Images

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Western blot analysis of CBP86 expression in HepG2 (A), HeLa (B), SP2/0 (C), PC12 (D) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 30 kD)

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