

Anti-CBP86 Antibody

Catalog # AP50723

Product Information

Application	WB
Primary Accession	O75952
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52774

Additional Information

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

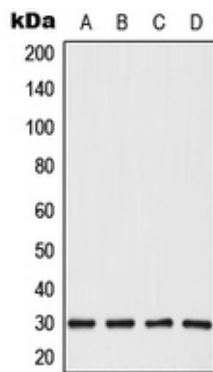
Name	CABYR
Synonyms	CBP86, FSP2
Function	May function as a regulator of both motility- and head- associated functions such as capacitation and the acrosome reaction. Isoform 1 binds calcium in vitro. Isoform 2 and isoform 6 probably bind calcium. Isoform 3 and isoform 5 do not bind calcium in vitro. 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

Naaby-Hansen S.,et al.Dev. Biol. 242:236-254(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 437:551-555(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Hsu H.-C.,et al.Biochem. Biophys. Res. Commun. 329:1108-1117(2005).

Images



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)

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