

CABYR Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50723

Product Information

Application	WB
Primary Accession	075952
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52774

Additional Information

Gene ID	26256
Other Names	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, CABYR, CBP86, FSP2
Dilution	WB~~ 1:1000
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.

Background

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.

References

Naaby-Hansen S.,et al.Dev. Biol. 242:236-254(2002).

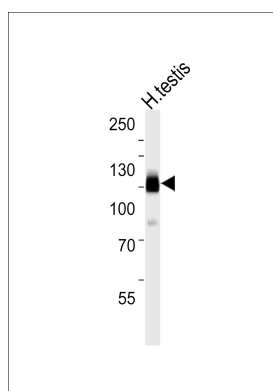
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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 lysate from human testis tissue lysate,using CABYR Antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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