

CABYR polyclonal antibody

Catalog: BS60128

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Spermatozoa gain fertilization capacitation and hyperactivation after residing in the uterus or oviduct. Calcium, cAMP and protein tyrosine phosphorylation are necessary for the molecular mechanisms that allow for this transformation. CABYR (Calcium-binding tyrosine phosphorylation-regulated protein), also known as Fibrousheathin-2 or Cancer/testis antigen 88, is a 493 amino acid protein that is expressed in sperm flagella and exhibits increased tyrosine phosphorylation during capacitation. There are six named isoforms of CABYR that are produced as a result of alternative slicing events. Specifically, isoform 1 is expressed in the testis, while isoform 3 and isoform 5 are expressed in pancreas, brain and various brain tumors. Isoforms 1, 2 and 6 most likely bind calcium, whereas isoforms 3, 4 and 5 probably do not bind calcium.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 30, 53 kDa

Swiss-Prot:

O75952

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

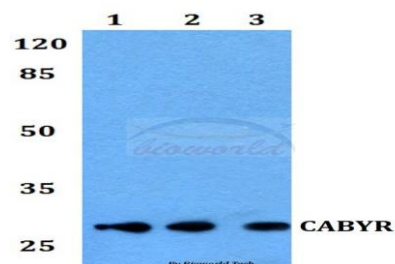
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CABYR polyclonal antibody detects endogenous levels of CABYR protein.

DATA:



Western blot (WB) analysis of CABYR polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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