

AKAP3 polyclonal antibody

Catalog: BS61005

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The type II cAMP-dependent protein kinase (PKA) is a multifunctional kinase with a broad range of substrates. Specificity of PKA signaling is mediated by the compartmentalization of the kinase to specific sites within the cell. To maintain this specific localization, the R subunit (RII) of PKA interacts with specific RII-anchoring proteins, designated A-kinase anchoring proteins (AKAP). AKAP 3, also known as AKAP 110, FSP95, PRKA3 and SOB1, binds both PKA and PDE4A and functions as a scaffolding protein in spermatozoa to regulate local cAMP concentrations and modulate sperm functions. Expression of AKAP 3 in normal tissues is restricted to the testis, where bicarbonate stimulates tyrosine phosphorylation of AKAP 3, thereby increasing its recruitment of PKA. AKAP-3 also exhibits high expression in patients with epithelial ovarian cancer (EOC). It demonstrates tumor-restricted expression and appears to be associated with worse overall survival, which make AKAP 3 a potential target for antigen-specific immunotherapy in EOC.

Product:

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

Molecular Weight:

~ 95 kDa

Swiss-Prot:

O75969

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

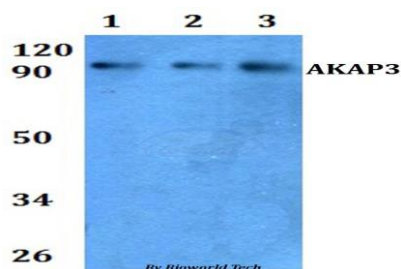
Storage&Stability:

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

Specificity:

AKAP3 polyclonal antibody detects endogenous levels of AKAP3 protein.

DATA:



Western blot (WB) analysis of AKAP3 polyclonal antibody at 1:500

Line1:Hela whole cell lysate

Line2:H9C2 whole cell lysate

Line3:Raw264.7 whole cell lysate

Note:

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

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