AKAP 1 (N306) polyclonal antibody

Catalog: BCP00173 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

AKAP1, also known as AKAP149 in human, AKAP121 in rat, or D-AKAP in mouse is a dual-specificity AKAP which can bind to both RI and RII subunits of PKA with similar affinity. Originally thought to be predominantly restricted to the mitochondria, growing evidence suggests that localization of AKAP1 can be regulated in part by alternative splicing events and that AKAP1 may be present in the endoplasmic reticulum-nuclear envelope membrane network. Peri-nuclear localization, along with the fact that AKAP1 interacts with RNA via one of two nucleotide-binding domains (K homology (KH) and Tudor) have lead some to suggest that AKAP1 may play a role in RNA metabolism. In addition to PKA-RI and -RII, AKAP1 directly interacts with PP1 in a phosphorylation dependent manner and nucleates a complex containing PP2Ac, PKA and RSK1 which modulates RSK1 localization and activity.

Product:

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

Molecular Weight:

~ 90 to 150 kDa

Swiss-Prot:

Q92667

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

IHC: 1:50~1:200

IF: 1:50~1:200

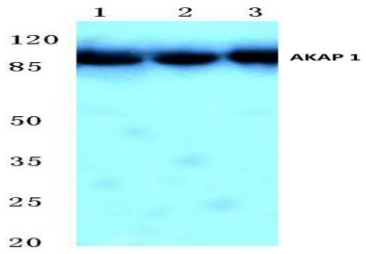
Storage&Stability:

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

Specificity:

AKAP 1 (N306) polyclonal antibody detects endogenous levels of AKAP 1 protein.

DATA:



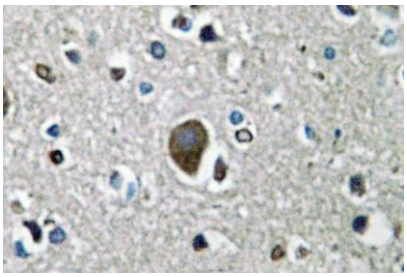
Western blot (WB) analysis of AKAP 1 (N306) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(40ug)

Lane4:SK-OVCAR3 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of AKAP 1 (N306) pAb in paraffin-embedded human brain tissue.

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.