

FOXO3A polyclonal antibody

Catalog: BS90531

Host: Rabbit

Reactivity: Human

BackGround:

FKHRL1 (forkhead in rhabdomyosarcoma-like 1), also known as FOXO3 (forkheadbox O3) or FOXO3A, is a 673 amino acid transcriptional activator that belongs to the FKHR subfamily of forkhead transcription factors. Transcriptional activation of FKHR proteins is regulated by the serine/threonine kinase Akt1, which phosphorylates FKHRL1 at Threonine 32 and Serine 253. Phosphorylation by Akt1 negatively regulates FKHRL1 by promoting its export from the nucleus. Phosphorylated FKHRL1 associates with 14-3-3 proteins and this complex is retained in the cytoplasm. Growth factor withdrawal stimulates FKHRL1 dephosphorylation and nuclear translocation, leading to FKHR-induced gene-specific transcriptional activation. Within the nucleus, dephosphorylated FKHRL1 triggers apoptosis by inducing the expression of genes that are critical for cell death.

Product:

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

Molecular Weight:

71 kDa

Swiss-Prot:

O43524(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:5,000

ICC:1:50-1:200

Storage&Stability:

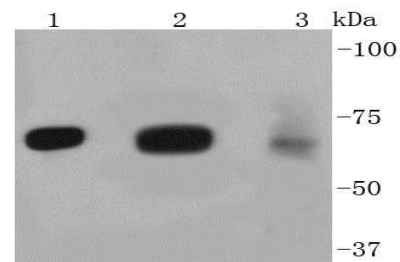
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

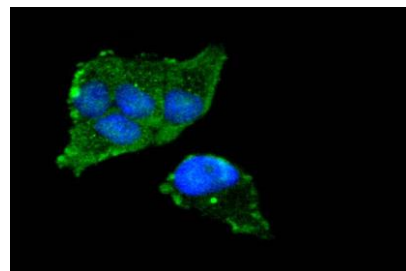
Specificity:

FOXO3A polyclonal antibody detects endogenous levels of FOXO3A protein.

DATA:



Western blot analysis of FOXO3A on different lysates using anti-FOXO3A antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: PC-12 Lane 3: MCF-7



ICC staining FOXO3A in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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