

FOXO4 polyclonal antibody

Catalog: BS90532

Host: Rabbit

Reactivity: Human

BackGround:

FKHR (for forkhead in rhabdomyosarcoma), FKHL1, and AFX1 are members of a subfamily of the forkhead family of transcription factors. AFX1, also known as FoxO4, is expressed in a wide variety of tissues and, like other FKHR proteins, AFX1 contains a single forkhead domain and serine-proline-rich region, which mediate DNA binding. AFX1-mediated transcriptional activation is regulated by the serine/threonine kinase Akt1, which phosphorylates AFX1 and in turn, sequesters AFX1 in the cytosol, thereby blocking nuclear localization and DNA binding. Genetic mutations in FKHR genes, including the t(2;13) and t(1;3) translocations, are commonly found in alveolar rhabdomyosarcomas. Additionally, the t(x;11) translocation of the AFX1 gene, which involves the fusion of a serine-proline-rich sequence of AFX1 to the carboxy terminus of a truncated MLL, results in acute lymphocytic leukemia.

Product:

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

Molecular Weight:

54/48 kDa

Swiss-Prot:

P98177(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

IHC:1:50-1:200

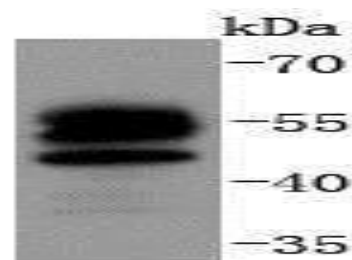
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

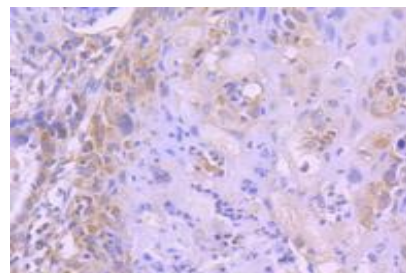
Specificity:

FOXO4 polyclonal antibody detects endogenous levels of FOXO4 protein.

DATA:



Western blot analysis of FOXO4 on human lung lysates using anti-FOXO4 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-FOXO4 antibody. Counter stained with hematoxylin.

Note:

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

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