FOXO4 Rabbit mAb

Catalog No: #49179

Package Size: #49179-1 50ul #49179-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

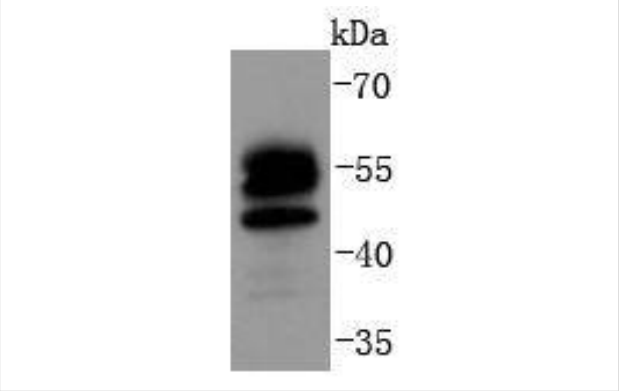
Description

Product Name	FOXO4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD0817
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	AFX antibody AFX1 antibody Afxh antibody ALL1-fused gene from X chromosome antibody Fork head domain transcription factor AFX1 antibody Forkhead box O4 antibody Forkhead box protein O4 antibody FOXO 4 antibody Foxo4 antibody FOXO4_HUMAN antibody MGC117660 antibody MGC120490 antibody Mixed lineage leukemia, translocated to, 7 antibody MLLT7 antibody Myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila); translocated to, 7 antibody Myeloid/lymphoid or mixed lineage leukemia, translocated to, 7 antibody RGD1561201 antibody
Accession No.	Swiss-Prot#:P98177
Uniprot	P98177
GeneID	4303;
Calculated MW	54/48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

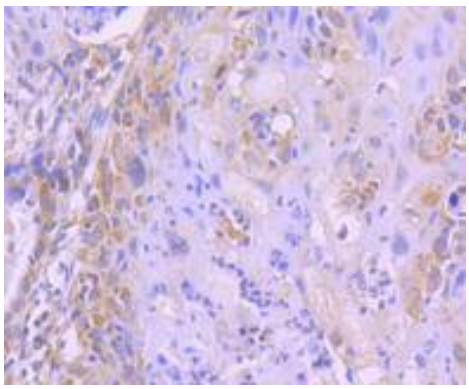
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

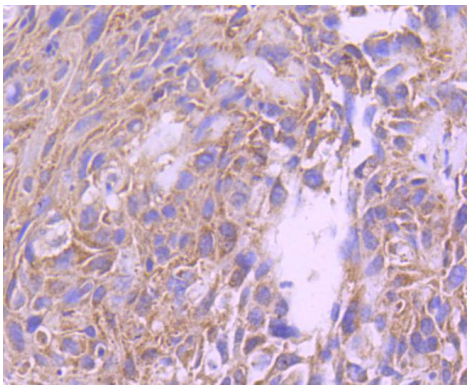
Images



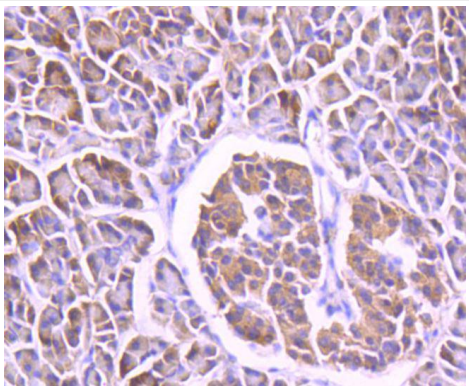
Western blot analysis of FOXO4 on human lung lysates using anti-FOXO4 antibody at 1/1,000 dilution.



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



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



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

Background

FKHR (for forkhead in rhabdomyosarcoma), FKHRL1, 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.

References

Note: This product is for in vitro research use only