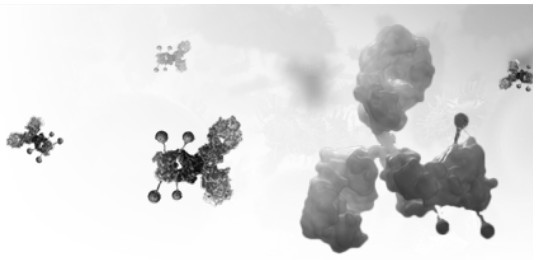

Rabbit Anti-FOXO4 monoclonal antibody, clone KK10-22 (DCABH-6065)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	FOXO4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK10-22
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP, FC
Molecular Weight	54 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	293T, Hela, HepG2.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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

BACKGROUND

Introduction	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.
Keywords	AFX;AFX1;Afxh;ALL1-fused gene from X chromosome;Fork head domain transcription factor AFX1;Forkhead box O4;Forkhead box protein O4;FOXO 4;Foxo4;FOXO4_HUMAN;MGC117660;MGC120490;Mixed lineage leukemia, translocated to, 7;MLLT7;Myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila);translocated to, 7;Myeloid/lymphoid or mixed lineage leukemia, translocated to, 7;RGD1561201 antibody

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