

FOXO1 Antibody

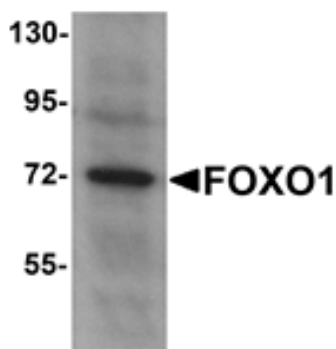
Catalog No: #25137

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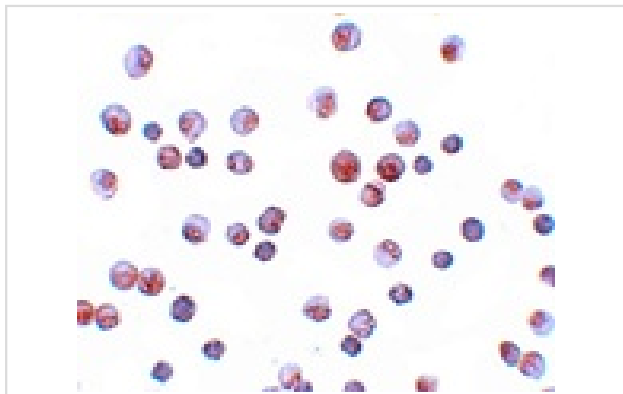
Description

Product Name	FOXO1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human FOXO1.
Target Name	FOXO1
Other Names	Forkhead box O1, FKH1, FKHR, Forkhead in rhabdomyosarcoma, FOXO1A
Accession No.	Swiss-Prot:Q12778Gene ID:2308
Uniprot	Q12778
GeneID	2308;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of FOXO1 in HeLa cell lysate with FOXO1 antibody at 1 ug/mL.



Immunocytochemistry of FOXO1 in HeLa cells with FOXO1 antibody at 4 ug/mL.

Background

FOXO1, also known as FKHR or ForkHead in Rhabdomyosarcoma, is a 70 kDa protein which is a ubiquitously expressed member of a subfamily of the forkhead homeotic gene family of transcription factors and shuttles between the cytoplasm and nucleus. FOXO transcription factors are key players of cell fate decisions, metabolism, stress resistance, tumor suppression and are regulated by growth factors, oxidative stress or nutrient deprivation. In insulin-responsive tissues, stress or nutrient abundance triggers phosphorylation by PKB/AKT, blocking nuclear translocation and activity. Genetic mutations involving FOXO1A are a cause of alveolar rhabdomyosarcoma (RMS2). Recent studies link the anti-tumor activity of FOXO1 and the process of autophagy.

Note: This product is for in vitro research use only