

Datasheet for ABIN6281903
anti-FOXO1 antibody (AA 190-270)



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Overview

Quantity:	50 µL
Target:	FOXO1
Binding Specificity:	AA 190-270
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	FoxO1 is a protein encoded by the FOXO1 gene which is approximately 69,6 kDa. FoxO1 is localised to the cytoplasm and nucleus. It is involved in RET signalling, common cytokine receptor gamma-chain family signalling pathways and immune response IL-23 signalling pathway. This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. It is a transcription factor that is the main target of insulin signalling and regulates metabolic homeostasis in response to oxidative stress. It is also a main regulator of redox balance and osteoblast numbers and controls bone mass. FoxO1 is ubiquitously expressed in human tissues. Mutations in the FOXO1 gene may result in rhabdomyosarcoma. STJ93123 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of FoxO1 protein.
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Product Details

Immunogen:	Synthesized peptide derived from human FoxO1 around the non-phosphorylation site of S256.
Isotype:	IgG
Specificity:	FoxO1 Polyclonal Antibody detects endogenous levels of FoxO1 protein.
Characteristics:	Rabbit polyclonal to FoxO1.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	FOXO1
Alternative Name:	FoxO1 (FOXO1 Products)
Molecular Weight:	78/82 kDa
Gene ID:	2308
UniProt:	Q12778
Pathways:	PI3K-Akt Signaling , Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Carbohydrate Metabolic Process , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:20000
Comment:	Ubiquitous.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.