

FoxO1a (4B19) Rabbit Monoclonal Antibody

Catalog# UZ-MA01823

Product information

产品货号	UZ-MA01823
别名	FKHR; FOXO1; FOXO1A; Forkhead box protein O1A; Forkhead in rhabdomyosarcoma;
产品名称	FoxO1a (4B19) Rabbit Monoclonal Antibody
纯度	Affinity-chromatography
类别	抗体产品
基因名称	FOXO1
推荐应用	WB,IHC-P,IF-P
反应种属	Human,Mouse,Rat
存储缓冲液	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Human Gene ID	2308
Human Swissprot No.	Q12778
免疫原	Recombinant protein of human FOXO1A
稀释度	WB 1:1000-1:5000, IHC-P/IF-P 1:200-1:500
参考分子量	70kDa
预测分子量	70kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	IgG
注意事项	FoxO1a Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
细胞定位	Cytoplasm. Nucleus Note=Shuttles between the cytoplasm and nucleus. Largely nuclear in unstimulated cells (PubMed:11311120, PubMed:12228231, PubMed:19221179, PubMed:21245099, PubMed:20543840). In osteoblasts, colocalizes with ATF4 and RUNX2 in the nucleus (By similarity). Serum deprivation increases localization to the nucleus, leading to activate expression of SOX9 and subsequent chondrogenesis (By similarity). Insulin-induced phosphorylation at Ser-256 by PKB/AKT1 leads, via stimulation of Thr-24 phosphorylation, to binding of 14-3-3 proteins and nuclear export to the cytoplasm where it is degraded by the ubiquitin-proteasomal pathway (PubMed:11237865, PubMed:12228231). Phosphorylation at Ser-249 by CDK1 disrupts binding of 14-3-3 proteins and promotes nuclear accumulation (PubMed:18356527). Phosphorylation by NLK results in nuclear export (By similarity). Translocates to the nucleus upon oxidative stress-induced phosphorylation at Ser-212 by STK4/MST1 (PubMed:19221179, PubMed:21245099). SGK1-mediated phosphorylation also results in nuclear translocation (By similarity). Retained in the nucleus under stress stimuli including oxidative stress, nutrient deprivation or nitric oxide (By similarity). Retained in the nucleus on methylation (By similarity). PPIA/CYPA stimulates its nuclear accumulation (PubMed:31063815). {ECO:0000250 UniProtKB:Q9R1E0, ECO:0000269 PubMed:11237865, ECO:0000269 PubMed:11311120, ECO:0000269 PubMed:12228231, ECO:0000269 PubMed:18356527, ECO:0000269 PubMed:19221179, ECO:0000269 PubMed:20543840, ECO:0000269 PubMed:21245099, ECO:0000269 PubMed:31063815}
Clonality	Monoclonal