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FKHRL1 (Phospho Ser318) Rabbit pAb

Catalog No	YP-Ab-17159
Isotype	IgG
Reactivity	Human, Mouse
Applications	IHC,WB
Gene Name	FOXO3 FKHRL1 FOXO3A
Protein Name	Forkhead box protein O3 (AF6q21 protein) (Forkhead in rhabdomyosarcoma-like 1)
Immunogen	Synthesized peptide derived from human FKHRL1 (Phospho Ser318)
Specificity	This antibody detects endogenous levels of FKHRL1 (Phospho Ser318) Rabbit pAb at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit,polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Forkhead box protein O3 (AF6q21 protein) (Forkhead in rhabdomyosarcoma-like 1)
Observed Band	71kD
Cell Pathway	Cytoplasm, cytosol . Nucleus . Mitochondrion matrix . Mitochondrion outer membrane ; Peripheral membrane protein ; Cytoplasmic side . Retention in the cytoplasm contributes to its inactivation (PubMed:10102273, PubMed:15084260, PubMed:16751106). Translocates to the nucleus upon oxidative stress and in the absence of survival factors (PubMed:10102273, PubMed:16751106). Translocates from the cytosol to the nucleus following dephosphorylation in response to autophagy-inducing stimuli (By similarity). Translocates in a AMPK-dependent manner into the mitochondrion in response to metabolic stress (PubMed:23283301, PubMed:29445193). Serum deprivation increases localization to the nucleus, leading to activate expression of SOX9 and subsequent chondrogenesis (By similarity).
Tissue Specificity	Ubiquitous.
Function	disease:A chromosomal aberration involving FOXO3 is found in secondary acute leukemias. Translocation t(6;11)(q21;q23) with MLL/HRX.,function:Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'.,PTM:In the presence of survival factors such as



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phos cytor trans trans	sphorylated forn plasm. Survival slocation to the scription of targ ear to phosphor	ted on Thr-32 ar in then interacts factor withdrawa nucleus where t et genes and trig ylate Ser-315 dii this residue. Pho	with 14-3-3 al induces on he dephosp ggers apopt rectly, it ma	proteins and dephosphoryla phorylated pro osis. Although y activate othe	is retained in ation and pror otein induces	notes
forkh famil dom	nead box O3(F0 ly of transcription ain. This gene l	OXO3) Homo son factors which likely functions a	apiens are charact s a trigger f	This gene be erized by a di or apoptosis t	longs to the fo stinct forkhea hrough expre	orkhead id ssion of

Background

family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008],

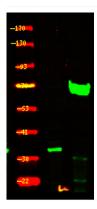
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 1 HeLa cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000