

FoxO3a (phospho-Ser413) rabbit pAb

Cat No.:ES16337

For research use only

Overview

Product Name	FoxO3a (phospho-Ser413) rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000
Immunogen	Synthesized phospho peptide around human FoxO3a (Ser413)
Specificity	This antibody detects endogenous levels of Human FoxO3a (phospho-Ser413)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	FoxO3a (Ser413)
Gene Name	FOXO3 FKHL1 FOXO3A
Cellular localization	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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using





Clonality

epitope-specific immunogen.

Concentration

Polyclonal

Observed band

1 mg/ml

Human Gene ID

90kD

Human Swiss-Prot Number

2309

Alternative Names

O43524

Forkhead box protein O3 (AF6q21 protein)
(Forkhead in rhabdomyosarcoma-like 1)

Background

This gene belongs to the forkhead 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],

