FoxO4 (Acetyl Lys407) Rabbit pAb

CatalogNo: YK0113

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 55kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000
ELISA 1:5000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human FoxO4 (Acetyl Lys407)
Specificity	This antibody detects endogenous levels of Human,Mouse FoxO4 (Acetyl Lys407).The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):SSkLA

Target Information

Gene name FOXO4 AFX AFX1 MLLT7

Protein Name Forkhead box protein O4 (Acetyl Lys407)

Organism	Gene ID	UniProt ID
Human	4303;	P98177;
Mouse	54601;	Q9WVH3;

Cellular Localization Cytoplasm. Nucleus. When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation. Monoubiquitination increases nuclear localization. When deubiquitinated, translocated from nucleus to cytoplasm.

Tissue specificity Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform zeta is most abundant in the liver, kidney, and pancreas.

Function cell cycle checkpoint, DNA damage checkpoint, G1 phase of mitotic cell cycle, mitotic cell cycle, transcription,transcription, DNA-dependent, regulation of transcription, DNA-dependent, transcription from RNA polymerase II promoter, response to DNA damage stimulus, cell cycle, cell cycle arrest, mitotic cell cycle checkpoint, mitotic cell cycle G2/M transition DNA damage checkpoint, cell surface receptor linked signal transduction, enzyme linked receptor protein signaling pathway, transmembrane receptor protein tyrosine kinase signaling pathway, intracellular signaling cascade, regulation of mitotic cell cycle, muscle organ development, negative regulation of cell proliferation, insulin receptor signaling pathway, response to endogenous stimulus, response to hormone stimulus, positive regulation of biosynthetic process, response to organic substance, positive regulation of macromolecule biosynthetic process,positive regulation of macromolecule metabolic process, positive regulation of gene expression, negative regulation of angiogenesis, cell cycle process, cell cycle phase, positive regulation of cellular biosynthetic process, DNA integrity checkpoint, G2/M transition DNA damage checkpoint, G2/M transition checkpoint, RNA biosynthetic process, response to insulin stimulus, cellular response to insulin stimulus, cellular response to hormone stimulus, cellular response to stress, regulation of cell proliferation, DNA damage response, signal transduction, response to peptide hormone stimulus, regulation of transcription, negative regulation of cell differentiation, regulation of angiogenesis, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of transcription, regulation of muscle cell differentiation, negative regulation of muscle cell differentiation, regulation of smooth muscle cell differentiation, negative regulation of smooth muscle cell differentiation, positive regulation of nitrogen compound metabolic process, regulation of RNA metabolic process, G1 phase, interphase, interphase of mitotic cell cycle, regulation of cell cycle,

Validation Data

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