

Rabbit Anti-FOXO4 Polyclonal Antibody

CPB-1060RH Rabbit(FOXO4)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-FOXO4 Polyclonal Antibody
Antigen Description	Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A- modulated genes. Also involved in negative regulation of the cell cycle.
specificity	The antibody detects endogenous level of total FOXO4 protein.
Target	FOXO4
Immunogen	Peptide sequence around aa. 195~199 (A-A-S-M-D) derived from Human FOXO4.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	FOXO4 forkhead box O4 [Homo sapiens]
Official Symbol	FOXO4
Synonyms	FOXO4; forkhead box O4; MLLT7, myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 7, myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; forkhead box protein O4; AFX1; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; AFX; MLLT7; MGC120490;
GeneID	4303
mRNA Refseq	NM_001170931
Protein Refseq	NP_001164402
MIM	300033
UniProt ID	P98177
Chromosome Location	Xq13.1

Pathway

AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem;

Function

DNA binding; DNA binding, bending; double-stranded DNA binding; enzyme binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding;