

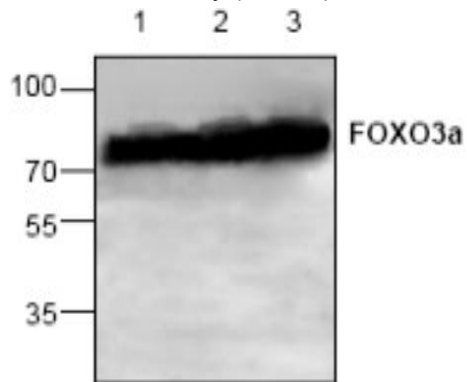
## FOXO3

### Rabbit Anti-Human Forkhead Box O3 Affinity Purified pAb

<b>Catalog No.</b>	CPF110	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	FKHRL1, FKHRL1P2, FOXO2, FOXO3A		
<b>Gene ID:</b>	2309		
<b>Description:</b>	<p>Rabbit Anti-Human Forkhead Box O3 Affinity Purified polyclonal antibody. Mammalian forkhead members of the class O (FOXO) transcription factors, including FOXO1, FOXO3a, and FOXO4, are implicated in the regulation of a variety of cellular processes, including the cell cycle, apoptosis, DNA repair, stress resistance, and metabolism. FOXO proteins are negatively regulated by the phosphatidylinositol 3-kinase-Akt signaling pathway, which is activated by growth factors and cytokines. Recent studies indicate that the activities of FOXO proteins are also regulated by oxidative stress, which induces their phosphorylation, translocation to the nucleus, and acetylation- deacetylation. Similar to the tumor suppressor p53, FOXO is activated by stress and induces the expression of genes that contribute to cell-cycle arrest, suggesting that it also functions as a tumor suppressor.</p>		
<b>Concentration:</b>	0.2 mg/ml		
<b>Specificity:</b>	Human FOXO3		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Synthetic peptide corresponding to residues on the C-terminus of human FOXO3		
<b>Formulation:</b>	Liquid in PBS + 0.5% BSA + 30% glycerol + 0.01% thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	Biospecific affinity chromatography		
<b>Cross-Reactivity:</b>	Reacts with human, mouse, and rat.		
<b>Applications:</b>	Western Blot		
<b>Application Notes:</b>	<p>For Western Blot, use a working dilution of 0.5-4 µg/ml. Jurkat cell lysate and rat kidney can be used as positive controls. A ~80 kDa band should be detected. Blocking Peptide (Cat. No. CPF110BP) is available separately.</p>		
<b>Storage &amp; Stability:</b>	Store at 2-4°C for short term storage or in working aliquots at -20°C to -80°C for long term storage. <b>Avoid repeated freeze-thaw cycles.</b>		



Western Blot analysis of FOXO3 expression in lysate from Jurkat cells (Lane 1), Rat liver (Lane 2), and Rat kidney (Lane 3).



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