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**Product Name: Phospho-FOXO3A (Ser253) Rabbit Monoclonal antibody****Catalog #: AMRe01998**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.22mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 71 kDa; Observed MW: 82 kDa

**Antigen Information**

<b>Gene Name</b>	FOXO3
<b>Alternative Names</b>	FOXO3; FKHL1; FOXO3A; Forkhead box protein O3; AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1
<b>Gene ID</b>	2309
<b>SwissProt ID</b>	O43524
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding Ser253 of human FOXO3A

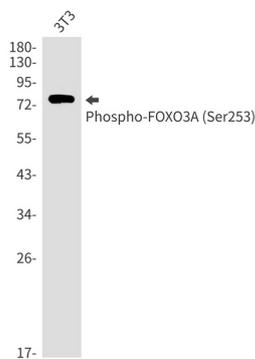
**Background**

FoxO3a is a 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'. Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation.

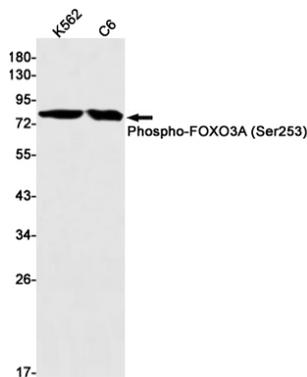
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Phospho-FOXO3A (Ser253) in 3T3 lysates using Phospho-FOXO3A (Ser253) antibody.



Western blot analysis of Phospho-FOXO3A (Ser253) in K562, C6 lysates using Phospho-FOXO3A (Ser253) antibody.