

# Product Datasheet

## FOXO3 Antibody - BSA Free

### NB100-613

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-613**

FOXO3 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	2309
<b>Gene Symbol</b>	FOXO3
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	The immunogen recognized by this antibody maps to a region between residues 250 and 300 of human Forkhead Box O3a using the numbering given in Swiss-Prot entry O43524 (GeneID 2309).

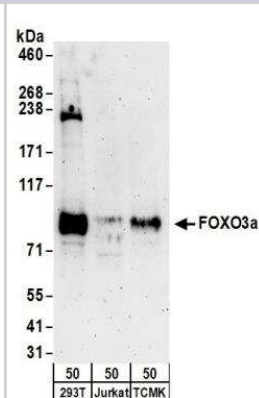
**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:15000, Immunohistochemistry 1:200 - 1:1000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:500-1:2000
<b>Application Notes</b>	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.

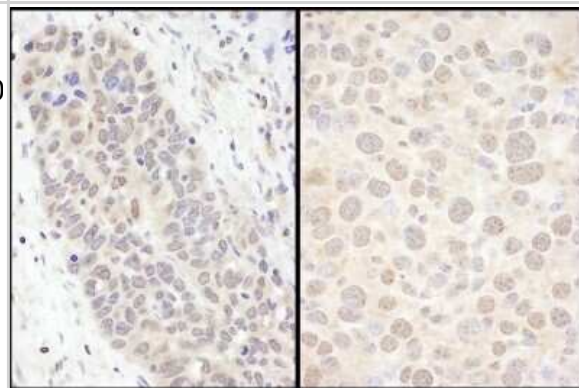


## Images

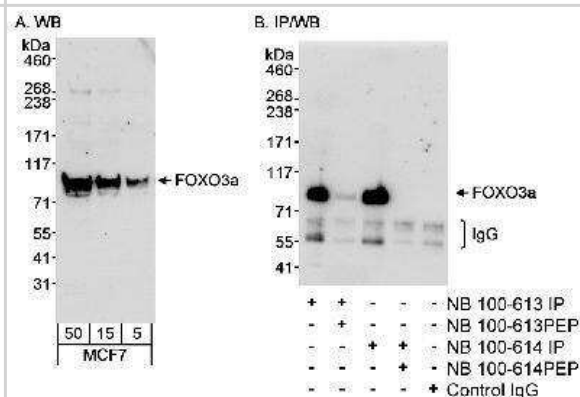
**Western Blot: FOXO3 Antibody [NB100-613] - Detection of Human and Mouse FOXO3a by Western Blot.** Samples: Whole cell lysate (50 ug) from 293T, Jurkat, and mouse TCMK-1 cells. Antibodies: Affinity purified rabbit anti-FOXO3a antibody NB100-613 used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



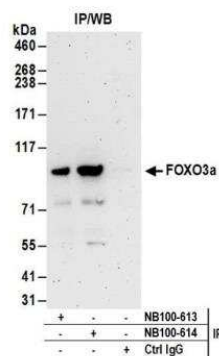
**Immunohistochemistry: FOXO3 Antibody [NB100-613] - Sample: FFPE sections of human ovarian carcinoma (left) and mouse renal cell carcinoma (right).** Antibody: Affinity purified rabbit anti-fs18 FOXO3a fs20 used at a dilution of 1:500 (2ug/ml). Detection: DAB



**Western Blot: FOXO3 Antibody [NB100-613] - Detection of Human FOXO3a on HeLa whole cell lysate using NB100-613.** FOXO3a was also immunoprecipitated using NB100-614.



**Immunoprecipitation: FOXO3 Antibody [NB100-613] - Detection of human FOXO3a by western blot of immunoprecipitates.** Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from MCF-7 cells. Antibodies: Affinity purified rabbit anti-FOXO3a antibody NB100-613 used for IP at 6 ug/mg lysate. FOXO3a was also immunoprecipitated by rabbit anti-FOXO3a antibody NB100-614. For blotting immunoprecipitated FOXO3a, NB100-613 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Yuan J, Luo K, Liu T et al. Regulation of SIRT1 activity by genotoxic stress. *Genes Dev* 2012-04-01 [PMID: 22465953]



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### **Products Related to NB100-613**

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NBL1-10814	FOXO3 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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