

# Product Datasheet

## FoxO1/FKHR Antibody - BSA Free NB100-2312

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 11

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**NB100-2312**

FoxO1/FKHR Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

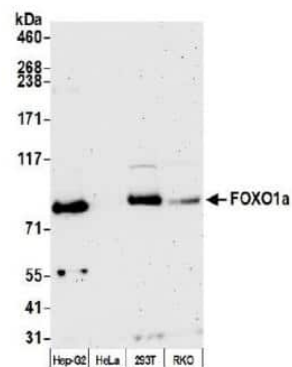
Product Description	
Description	Novus Biologicals Rabbit FoxO1/FKHR Antibody - BSA Free (NB100-2312) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-FoxO1/FKHR Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2308
Gene Symbol	FOXO1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28467929).
Immunogen	The immunogen recognized by this antibody maps to a region between residues 600 and the C-terminus (residue 652) of human Forkhead Box O1a using the numbering given in Swiss-Prot entry Q12778 (GeneID 2308).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000- 1:10000, Immunocytochemistry/ Immunofluorescence 1:10 -1:500, Immunoprecipitation 2-10 ug/mg lysate
Application Notes	Use in ICC/IF reported in scientific literature (PMID 25344740)

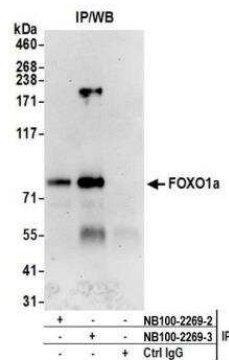


## Images

Western Blot: FoxO1/FKHR Antibody [NB100-2312] - Whole cell lysate (50 ug) from Hep-G2, HeLa, HEK293T, and RKO cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-FOXO1a antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: FoxO1/FKHR Antibody [NB100-2312] - Detection of human FOXO1a by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FOXO1a antibody NB100-2312 (lot NB100-2312-3) used for IP at 6 ug per reaction. FOXO1a was also immunoprecipitated by a previous lot of this antibody (lot NB100-2312-2). For blotting immunoprecipitated FOXO1a, NB100-2312 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



## Publications

- Sharma P, Bhandari C, Agnihotri N Dietary n-3 and n-6 polyunsaturated fatty acids differentially modulate the adiponectin and leptin mediated major signaling pathways in visceral and subcutaneous white adipose tissue in high fat diet induced obesity Nutrition Research 2022-12-01 [PMID: 36689814] (Western Blot, Rat)
- Liu Z, Du J, Ren J et al. miR-183-96-182 clusters alleviated ox-LDL-induced vascular endothelial cell apoptosis in vitro by targeting FOXO1 RSC Adv 2022-05-13 [PMID: 35547044]
- Ying, K;Feng, W;Ying, W;Li, X;Xing, D;Sun, Y;Chen, Y;Sanders, P; Dietary salt initiates redox signaling between endothelium and vascular smooth muscle through NADPH oxidase 4 Redox Biology [PMID: 35378363] (Mouse)
- Calvier L, Chouvarine P, Legchenko E et al. PPAR $\gamma$  Links BMP2 and TGF $\beta$ 1 Pathways in Vascular Smooth Muscle Cells, Regulating Cell Proliferation and Glucose Metabolism. Cell Metab. 2017-05-02 [PMID: 28467929] (Mouse)
- Savai R, Al-Tamari Hm, Sedding D et al. Pro-proliferative and inflammatory signaling converge on FoxO1 transcription factor in pulmonary hypertension. Nat. Med. 2014-10-26 [PMID: 25344740] (ICC/IF, WB, Human)
- van der Horst PH, Wang Y, Vandenput I et al. Progesterone inhibits epithelial-to-mesenchymal transition in endometrial cancer. PLoS One 2012-01-01 [PMID: 22295114]
- Yin X, Pavone ME, Lu Z et al. Increased activation of the PI3K/AKT pathway compromises decidualization of stromal cells from endometriosis. J Clin Endocrinol Metab 2012-01-01 [PMID: 22072736]
- Khatri S, Yepiskoposyan H, Gallo CA et al. FOXO3a regulates glycolysis via transcriptional control of tumor suppressor TSC1. J Biol Chem 2010-05-01 [PMID: 20371605]
- Amin AR, Thakur VS, Gupta K et al. Restoration of p53 functions protects cells from concanavalin A-induced apoptosis. Mol Cancer Ther 2010-02-01 [PMID: 20124456]
- Hoekstra AV, Sefton EC, Berry E et al. Progestins activate the AKT pathway in leiomyoma cells and promote survival. J Clin Endocrinol Metab 2009-05-01 [PMID: 19240153]
- Ward EC, Hoekstra AV, Blok LJ et al. The regulation and function of the forkhead transcription factor, Forkhead box O1, is dependent on the progesterone receptor in endometrial carcinoma. Endocrinology 2008-04-01 [PMID: 18096667]



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### Products Related to NB100-2312

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NBL1-10813	FoxO1/FKHR Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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