

# Product Datasheet

## FoxO1/FKHR Antibody (SU33-01) NBP2-67463

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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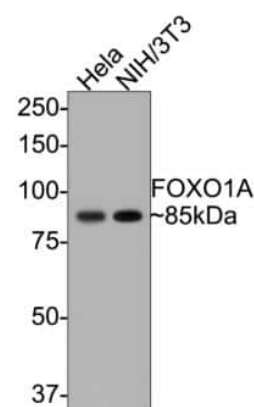
**NBP2-67463**

FoxO1/FKHR Antibody (SU33-01)

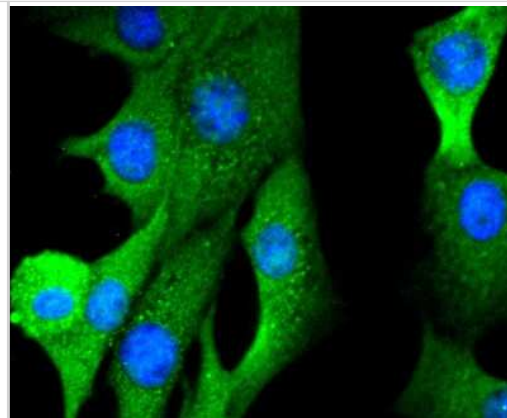
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SU33-01
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	2308
Gene Symbol	FOXO1
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within Human FoxO1/FKHR aa 301-350 / 655. (SwissProt: Q12778 Human; SwissProt: Q9R1E0 Mouse; SwissProt: G3V7R4 Rat)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen
Application Notes	IHC-Fr usage was reported in scientific literature (PMID: 31196960).

**Images**

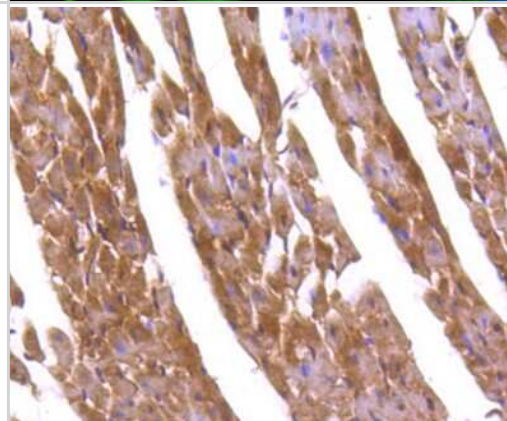
Western Blot: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Analysis of FOXO1A on different lysates with Rabbit anti-FOXO1A antibody at 1/500 dilution. Lane 1: HeLa cell lysate Lane 2: NIH/3T3 cell lysates/proteins at 10 ug/Lane. Predicted band size: 70 kDa observed band size: 85 kDa Exposure time: 1 minute; 8% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



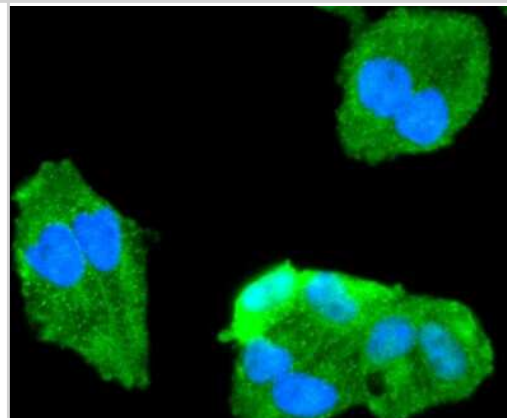
Immunocytochemistry/Immunofluorescence: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Staining FOXO1A in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



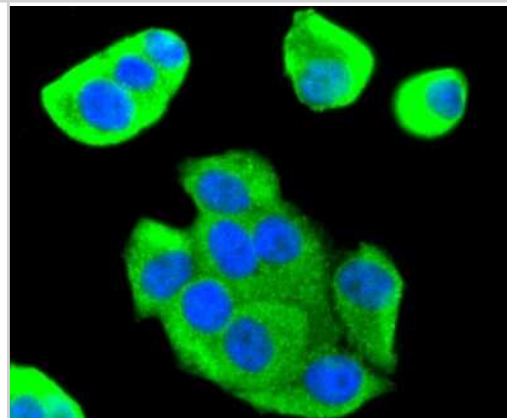
Immunohistochemistry-Paraffin: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Analysis of paraffin-embedded mouse heart tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.



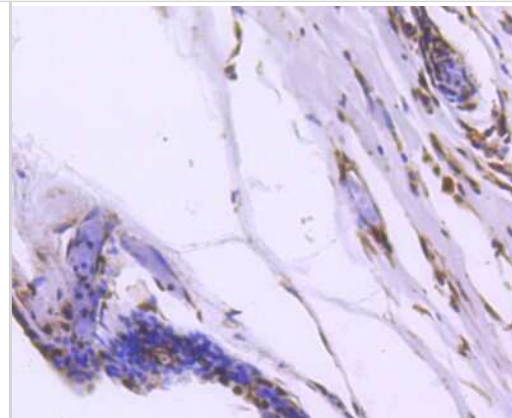
Immunocytochemistry/Immunofluorescence: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Staining FOXO1A in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



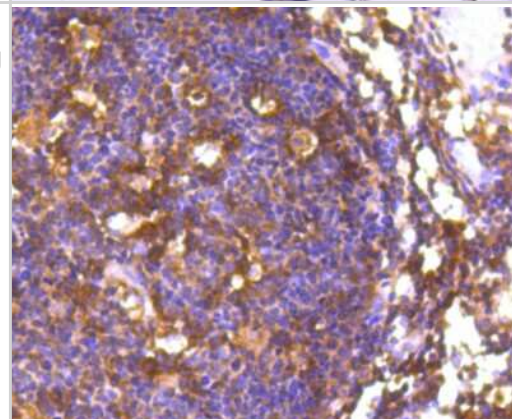
Immunocytochemistry/Immunofluorescence: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Staining FOXO1A in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



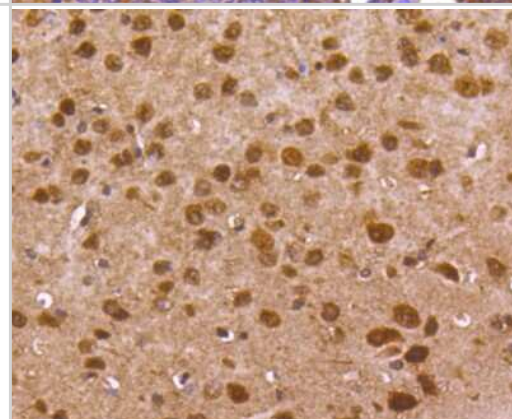
Immunohistochemistry-Paraffin: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Analysis of paraffin-embedded human tonsil tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: FoxO1/FKHR Antibody (SU33-01) [NBP2-67463] - Analysis of paraffin-embedded mouse brain tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.



## Publications

Miyauchi T, Uchida Y, Kadono K et al. Up-regulation of FOXO1 and reduced inflammation by beta-hydroxybutyric acid are essential diet restriction benefits against liver injury Proc. Natl. Acad. Sci. U.S.A. 2019-07-02 [PMID: 31196960] (IHC-Fr, Mouse)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84674PEP	FoxO1/FKHR Recombinant Protein Antigen

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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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