

FoxO1 (Phospho-Ser256) Polyclonal Antibody

Catalog No: #12198

Package Size: #12198-1 50ul #12198-2 100ul

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Description

Product Name	FoxO1 (Phospho-Ser256) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-FoxO1 (S256) Polyclonal Antibody detects endogenous levels of FoxO1 protein only when phosphorylated at S256.
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from human FoxO1 around the phosphorylation site of S256.
Conjugates	Unconjugated
Target Name	FoxO1
Modification	Phospho
Other Names	FOXO1; FKHR; FOXO1A; Forkhead box protein O1; Forkhead box protein O1A; Forkhead in rhabdomyosarcoma
Accession No.	Swiss-Prot: Q12778NCBI Gene ID: 2308
Target Species	human
SDS-PAGE MW	70kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1/500 - 1/2000

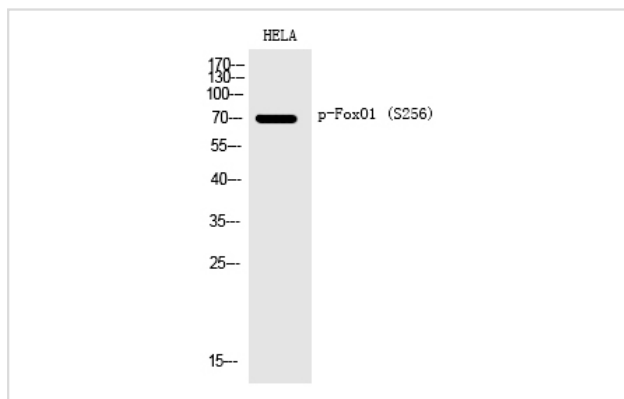
Immunohistochemistry: 1/100 - 1/300

Immunofluorescence: 1/200 - 1/1000

ELISA: 1/20000

Not yet tested in other applications

Images



Western Blot analysis of HELA cells using Phospho-FoxO1 (S256) Polyclonal Antibody

Published Papers

el at., Tanshinone IIA Attenuates Insulin Like Growth Factor 1 -Induced Cell Proliferation in PC12 Cells through the PI3K/Akt and MEK/ERK Pathways.In Int J Mol Sci. On 2018 Sep 12 by Wang H, Su X et al..PMID: 30213025, , (2018)

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el at., Kinsenoside attenuates liver fibro-inflammation by suppressing dendritic cells via the PI3K-AKT-FoxO1 pathway. In Pharmacol Res on 2022 Mar by Ming Xiang, Tingting Liu, et al..PMID: 35066108, , (2022)

[PMID:35066108](#)

el at., β Biqui β • Bayberry Extract Promotes Skeletal Muscle Fiber Type Remodeling by Increasing Fast Myofiber Formation via the Akt/FoxO1 Pathway in Mice.In Foods On 2023 Jul by Jinjie Li, Conceptualization et al..PMID:37444209, , (2023)

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el at., Polystyrene nanoplastics with different functional groups and charges have different impacts on type 2 diabetes.In Part Fibre Toxicol on 2024 Apr 24 by Yunyi Wang, Ke Xu,et al..PMID:38658944, , (2024)

[PMID:38658944](#)

Yin Cong;Fang Rui;Xu Yue;Li Kui;Ai Tingyang;Wan Jiawei;Qin Yonghua;Lyu Xiaoguang;Liu Hong;Qin Rui;Yang Lindong;Xiong Hairong;Liu Jiao el at., Safflower petal water-extract consumption reduces blood glucose via modulating hepatic gluconeogenesis and gut microbiota, , (2024)

[PMID:](#)

Shiyue Sun;Tongtong Yu;Joo Young Huh;Yujie Cai;Somy Yoon;Hafiz Muhammad Ahmad Javaid el at., Aminoguanidine hemisulfate improves mitochondrial autophagy, oxidative stress, and muscle force in Duchenne muscular dystrophy via the AKT/FOXO1 pathway in mdx mice., , (2025)

[PMID:39806512](#)

Gaofeng Zhu;Xiaoyong Li;Qinyuan Gao;Yuanjun Wang;Jiajie Li;Zena Huang;Yan Lin el at., GYY4137 protects against type 2 diabetes mellitus-associated myocardial autophagy by suppressing FOXO1 signal pathway., , (2025)

[PMID:39777025](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.