

## FoxO1 Polyclonal Antibody

Catalog No: #36870



Package Size: #36870-1 50ul #36870-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

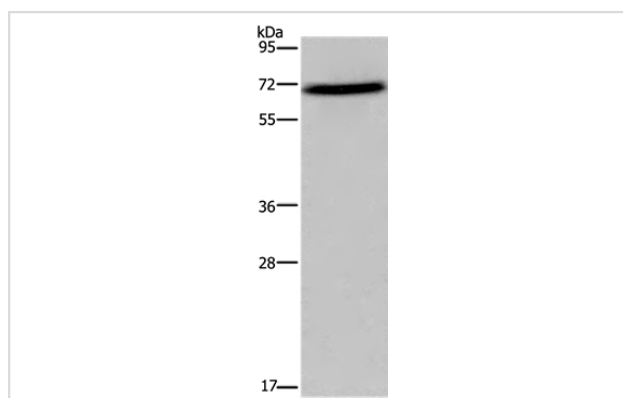
Product Name	FoxO1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total FOXO1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human forkhead box O1
Conjugates	Unconjugated
Target Name	FOXO1
Other Names	FKH1; FKHR; FOXO1A
Accession No.	Swiss-Prot#: Q12778NCBI Gene ID: 2308Gene Accssion: NP_002006
Calculated MW	69kDa
SDS-PAGE MW	72-82kDa
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.
Storage	Store at -20°C

## Application Details

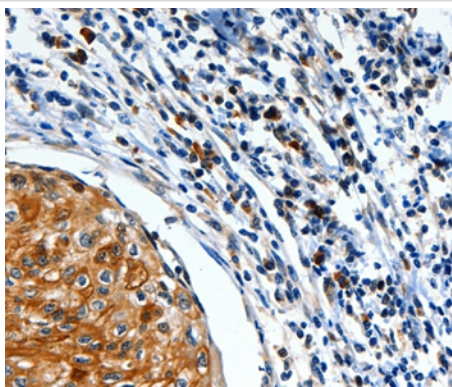
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 8%SDS-PAGE  
Lysate: 40ug HT-29 cell  
Primary antibody: 1/500 dilution  
Secondary antibody dilution: 1/8000  
Exposure time: 2 minutes



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36870 at dilution 1/30.

## Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.

## Published Papers

el at., Oleanolic acid inhibits cell survival and proliferation of prostate cancer cells in vitro and in vivo through the PI3K/Akt pathway. In Int J Med Scion 2015 Aug 1 et al.. PMID:26283888, , (2015)

[PMID:26283888](#)

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 et al., Safflower petal water-extract consumption reduces blood glucose via modulating hepatic gluconeogenesis and gut microbiota, , (2024)

[PMID:](#)

Yutao Li;Ruoyu Wang;Cunhua Zhai;Dingchen Cao;Zhipeng Sun;Ying Zhang;Bo Ma et al., Dynamic Impacts of Stock Enhancement on Kaluga Sturgeon (Huso dauricus): Novel Conservation Strategy Insights from the Gut Microbe Composition and Gene Expression Mode., , (2025)

[PMID:40003945](#)

Sijing Liu;Kai Li;Changhai Long;Mingwu Lao;Biao Ma;Changquan Liu;Haoyuan He;Chunjiang Wang;Wangzhu Chen;Bin Yu et al., The role of FTO in m6A RNA methylation and immune regulation in Staphylococcus aureus infection-related osteomyelitis., , (2025)

[PMID:39980685](#)

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