



Datasheet for ABIN969521

## anti-FOXO1 antibody



[Go to Product page](#)

5 Images

2 Publications

### Overview

Quantity:	0.1 mg
Target:	FOXO1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

### Product Details

Immunogen:	Purified recombinant fragment of human FOXO1 expressed in E. coli.
Clone:	3B6
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	FOXO1
Alternative Name:	FOXO1 ( <a href="#">FOXO1 Products</a> )
Background:	Description: 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.

## Target Details

---

Aliases: FKH1, FKHR, FOXO1A

Molecular Weight: 69.7 kDa

Gene ID: 2308

HGNC: 2308

Pathways: [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Chromatin Binding](#), [Regulation of Carbohydrate Metabolic Process](#), [CXCR4-mediated Signaling Events](#), [BCR Signaling](#)

## Application Details

---

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

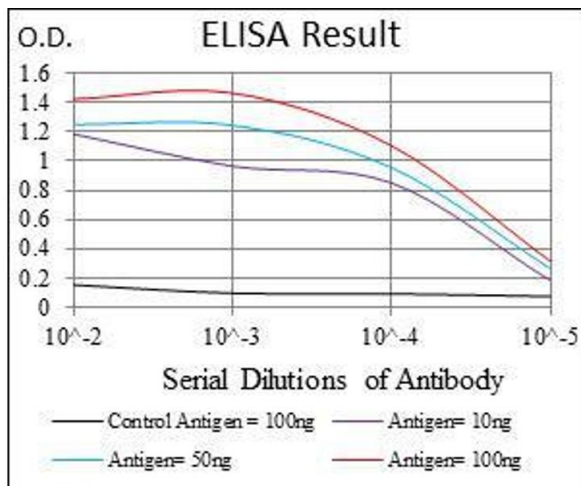
Storage Comment: 4°C, -20°C for long term storage

## Publications

---

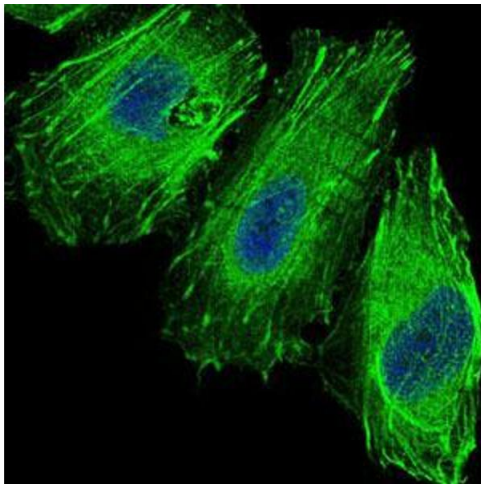
Product cited in: Lau, Koty, Nalbantoglu: "Differential response of glioma cells to FOXO1-directed therapy." in: **Cancer research**, Vol. 69, Issue 13, pp. 5433-40, (2009) ([PubMed](#)).

Srivastava, Yasruel, Nalbantoglu: "Impaired medulloblastoma cell survival following activation of the FOXO1 transcription factor." in: **International journal of oncology**, Vol. 35, Issue 5, pp. 1045-51, (2009) ([PubMed](#)).



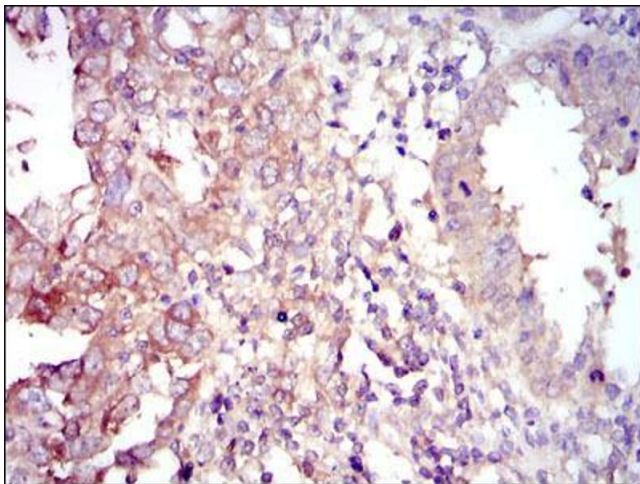
### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of HeLa cells using FOXO1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded intima cancer tissues using FOXO1 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969521.