



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## FOXO1A monoclonal antibody (M01), clone 4E9

Catalog # : H00002308-M01

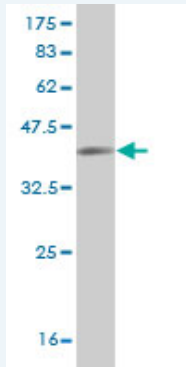
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant FOXO1A.
<b>Immunogen:</b>	FOXO1A (NP_002006, 556 a.a. ~ 655 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	TQVKTPVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPDDL DGMFIERLDCDMESIIRNDLMDGDTLDFNFDNVLPNQSFPHSVKTTTTHS WVSG
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

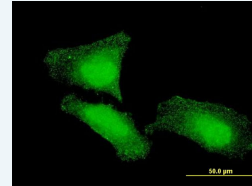
[Protocol Download](#)

**Immunofluorescence**

### Application Image

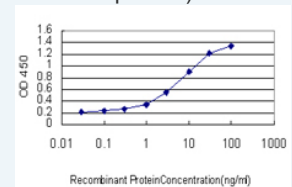
Western Blot (Recombinant protein)

Immunofluorescence



[enlarge](#)

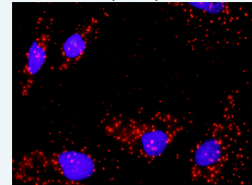
Sandwich ELISA (Recombinant protein)



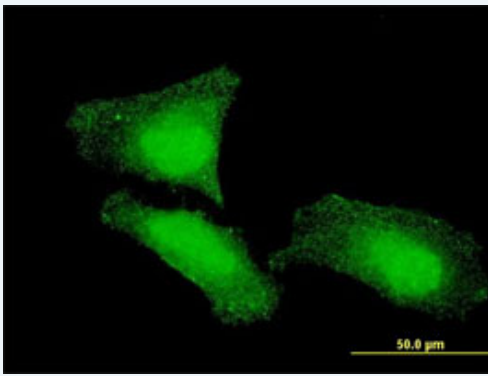
[enlarge](#)

ELISA

*In situ* Proximity Ligation Assay (Cell)



[enlarge](#)

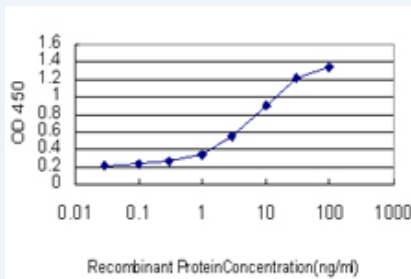


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to FOXO1 on HeLa cell . [antibody concentration 10 ug/ml]

[Protocol Download](#)

### Sandwich ELISA (Recombinant protein)

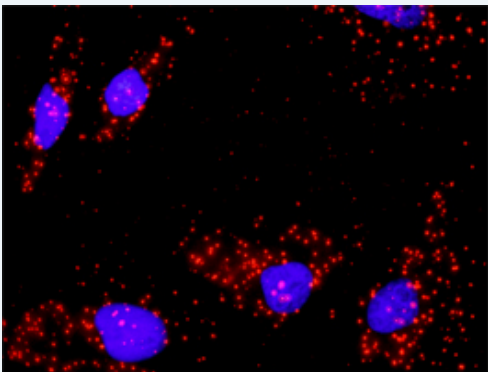


Detection limit for recombinant GST tagged FOXO1A is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

### *In situ* Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between AKT1 and FOXO1. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-FOXO1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

### Gene Information

Entrez GeneID: [2308](#)

GeneBank [NM\\_002015](#)  
Accession#:

Protein [NP\\_002006](#)  
Accession#:

Gene Name: FOXO1

Gene Alias: FKH1,FKHR,FOXO1A

Gene forkhead box O1

**Description:**

**Omim ID:** [136533](#), [268220](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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. [provided by RefSeq]

**Other Designations:** OTTHUMP00000018301, forkhead box O1A (rhabdomyosarcoma), forkhead homolog in rhabdomyosarcoma, forkhead, Drosophila, homolog of, in rhabdomyosarcoma

**Gene Pathway**

[Insulin signaling pathway](#) [Pathways in cancer](#) [Prostate cancer](#)

**Related Disease**

[Atherosclerosis](#) [Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Calcinosis](#) [Coronary Artery Disease](#) [Diabetes Mellitus](#) [Diabetes Mellitus, Type 2](#) [Genetic Predisposition to Disease](#) [Glucose Intolerance](#) [Head and Neck Neoplasms](#) [NARP Neoplasm Recurrence, Local](#) [Neoplasms, Second Primary](#) [Obesity](#) [Obesity](#)

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