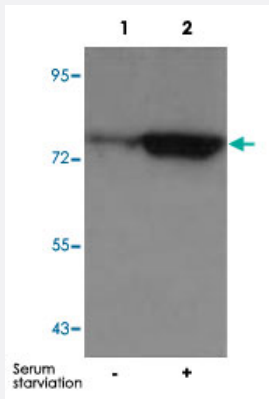


FOXO1 (phospho S319) polyclonal antibody

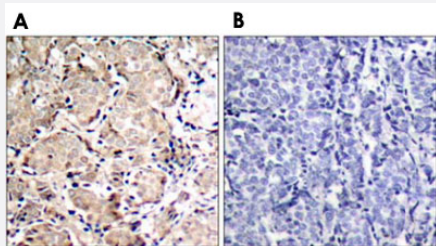
Catalog # PAB10970 Size 100 uL

Applications



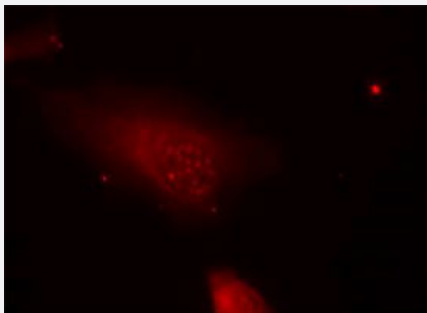
Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells untreated (Lane 1) or treated (Lane 2) with serum starvation using FOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human breast carcinoma tissue using FOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970) (A) or preincubated with blocking peptide (B).



Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using FOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970).

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of FOXO1.

Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S319 of human FOXO1.
Host	Rabbit
Theoretical MW (kDa)	78-82
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Immunoaffinity purification
Concentration	1 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells untreated (Lane 1) or treated (Lane 2) with serum starvation using FFOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human breast carcinoma tissue using FFOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970) (A) or preincubated with blocking peptide (B).

- Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using FOXO1 (phospho S319) polyclonal antibody (Cat # PAB10970).

Gene Info — FOXO1

Entrez GeneID

[2308](#)

Protein Accession#	Q12778
Gene Name	FOXO1
Gene Alias	FKH1, FKHR, FOXO1A
Gene Description	forkhead box O1
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

Pathway

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

Disease

- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)

- [NARP](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)