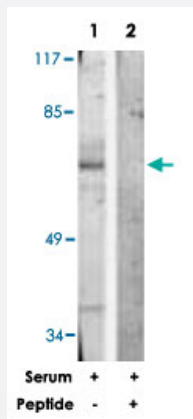


FOXO1 polyclonal antibody

Catalog # PAB18177 Size 100 ug

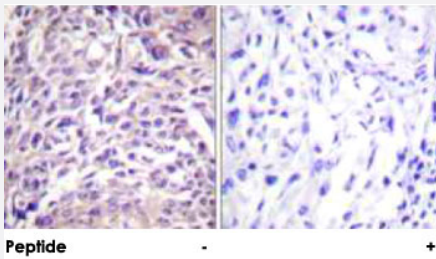
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with Serum (20 %, 15 mins), using FOXO1 polyclonal antibody (Cat # PAB18177).

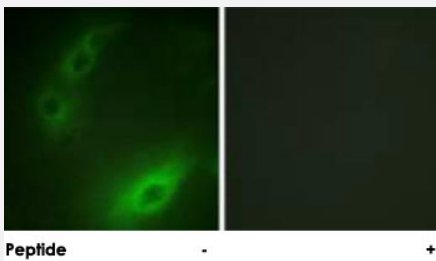
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FOXO1 polyclonal antibody (Cat # PAB18177).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HUVEC cells, using FOXO1 polyclonal antibody (Cat # PAB18177).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of FOXO1.

Immunogen	A synthetic peptide corresponding to human FOXO1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to FOXO1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM 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 HeLa cells, treated with Serum (20 %, 15 mins), using FOXO1 polyclonal antibody (Cat # PAB18177).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FOXO1 polyclonal antibody (Cat # PAB18177).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HUVEC cells, using FOXO1 polyclonal antibody (Cat # PAB18177).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- [FOXO1A is a candidate for the 13q14 tumor suppressor gene inhibiting androgen receptor signaling in prostate cancer.](#)

Dong XY, Chen C, Sun X, Guo P, Vessella RL, Wang RX, Chung LW, Zhou W, Dong JT.
Cancer Research 2006 Jul; 66(14):6998.

- [Forkhead transcription factor FOXO1A is critical for induction of human decidualization.](#)

Grinius L, Kessler C, Schroeder J, Handwerger S.
The Journal of Endocrinology 2006 Apr; 189(1):179.

Application: WB-Tr, Human, Human decidual fibroblasts

- [FOXO1a acts as a selective tumor suppressor in alveolar rhabdomyosarcoma.](#)

Bois PR, Izeradjene K, Houghton PJ, Cleveland JL, Houghton JA, Grosveld GC.
The Journal of Cell Biology 2005 Sep; 170(6):903.

Application: IF, WB, Human, Mouse, C2C12 cells, Human habdomyosarcoma, Rh30 cells

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](#)