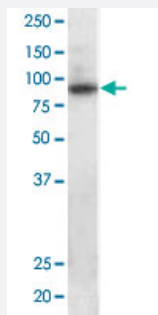


FOXO3A polyclonal antibody

Catalog # PAB6645

Size 100 ug

Applications



Western Blot (Tissue lysate)

FOXO3A polyclonal antibody (Cat # PAB6645) staining (0.5 ug/mL) of human brain lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of FOXO3A.

Immunogen A synthetic peptide corresponding to human FOXO3A.

Sequence C-GAKQASSQSWVPG

Host Goat

Theoretical MW (kDa) 71.3

Reactivity Human

Specificity Both variants represent identical protein (NP_001446.1 and NP_963853.1).

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:32000) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 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 (Tissue lysate)

FOXO3A polyclonal antibody (Cat # PAB6645) staining (0.5 ug/mL) of human brain lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOXO3

Entrez GeneID	2309
Protein Accession#	NP_001446.1;NP_963853.1
Gene Name	FOXO3
Gene Alias	AF6q21, DKFZp781A0677, FKHL1, FKHL1P2, FOXO2, FOXO3A, MGC12739, MGC31925
Gene Description	forkhead box O3
Omim ID	602681
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]
Other Designations	OTTHUMP00000016944 forkhead box O3A forkhead homolog (rhabdomyosarcoma) like 1 forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1

Publication Reference

- [Akt promotes cell survival by phosphorylating and inhibiting a Forkhead transcription factor.](#)

Brunet A, Bonni A, Zigmond MJ, Lin MZ, Juo P, Hu LS, Anderson MJ, Arden KC, Blenis J, Greenberg ME.

Cell 1999 Mar; 96(6):857.

Application: WB-Tr, Human, HEK 293T cells

Pathway

- [Chemokine signaling pathway](#)
- [Endometrial cancer](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)

Disease

- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Narcolepsy](#)
- [Obesity](#)

- [Ovarian Failure](#)
- [Primary Ovarian Insufficiency](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)