Datasheet for ABIN2721367

FOXO3 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	FOXO3
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXO3 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human FOXO3 / FKHRL1 (transcript variant 2) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	FOXO3
Alternative Name:	Foxo3,fkhrl1 (FOXO3 Products)
Background:	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

Target Details

	associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed.
Molecular Weight:	71.1 kDa
NCBI Accession:	NP_963853
Pathways:	Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis

Application Details

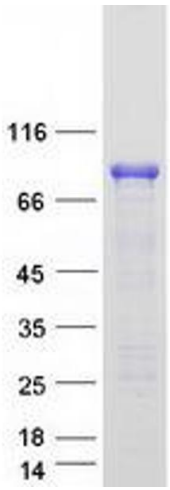
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Nott, Cheng, Gao, Lin, Gjoneska, Ko, Minhas, Zamudio, Meng, Zhang, Jin, Tsai: "Histone deacetylase 3 associates with MeCP2 to regulate FOXO and social behavior." in: **Nature neuroscience**, Vol. 19, Issue 11, pp. 1497-1505, (2016) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

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