

FOXO4 (Phospho-Thr451) Antibody

Catalog No: #12053



Package Size: #12053-1 50ul #12053-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

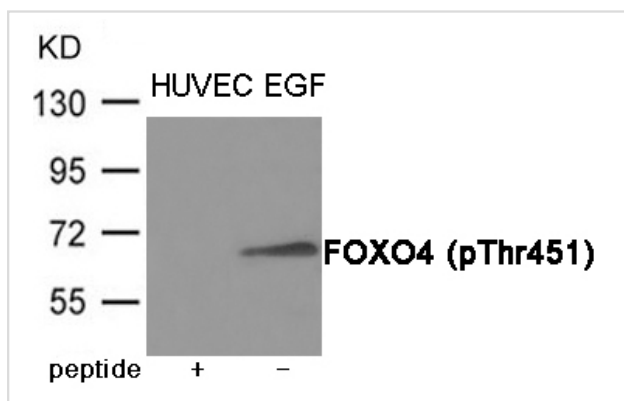
Product Name	FOXO4 (Phospho-Thr451) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of FOXO4 only when phosphorylated at Threonine 451.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Threonine 451 (L-G-T(p)-P-V) derived from Human FOXO4.
Target Name	FOXO4
Modification	Phospho
Other Names	AFX, AFX1, MLLT7
Accession No.	Swiss-Prot#: P98177; NCBI Gene#: 4303; NCBI Protein#: NP_001164402.1
Uniprot	P98177
GeneID	4303;
SDS-PAGE MW	65kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Predicted MW: 65kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HUVEC cells treated with EGF using FOXO4 (Phospho-Thr451) Antibody #12053. The lane on the left is treated with the antigen-specific peptide.

Background

Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity.

Note: This product is for in vitro research use only