

Datasheet for ABIN2777689

anti-FOXO1 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	FOXO1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human FOXO1
Sequence:	NLLDNLNLLS SPTSLTVSTQ SSPGTMMQQT PCYSFAPPNT SLNSPSPNYQ
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against FOXO1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	FOXO1
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Target Details

Alternative Name:	FOXO1 (FOXO1 Products)
Background:	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. 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: FKH1, FKHR, FOXO1A Protein Interaction Partner: EP300, AKT1, MST1, SIRT1, FHL2, ATG7, IRF3, FSHR, ESR1, Ubc, TXNRD1, RARA, MDM2, NLK, SKP2, SIRT2, STUB1, CREBBP, PML, LRPPRC, HOXA11, HNF4A, PARP1, DYRK1A, THRB, CSNK1G1, YWHAG, GSK3B, SMAD3, PAK1, PPARG, YWHAZ, SMAD4, AR, G6PC, SRC, CEBPB, FOXG1, HOXA10 Protein Size: 655
Molecular Weight:	70 kDa
Gene ID:	2308
NCBI Accession:	NM_002015 , NP_002006
UniProt:	Q12778
Pathways:	PI3K-Akt Signaling , Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Carbohydrate Metabolic Process , CXCR4-mediated Signaling Events , BCR Signaling

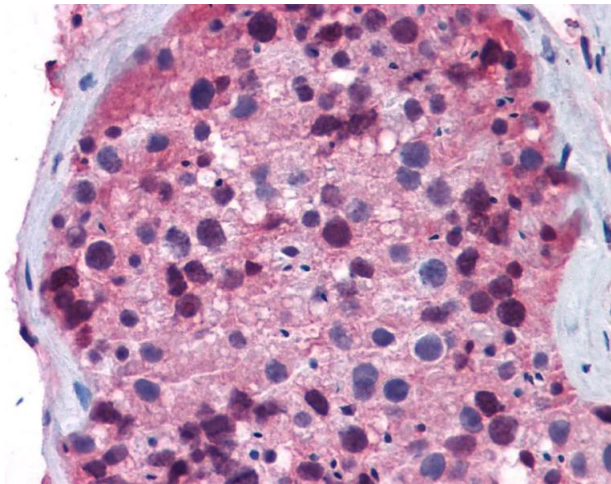
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 655 AA

Application Details

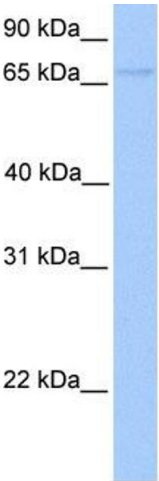
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-FOXO1 Antibody Titration: 0.2-1 ug/ml Positive Control: Transfected 293T