


Anti-FOXO1A (phospho S322 + S325) antibody ab60945

1 图像

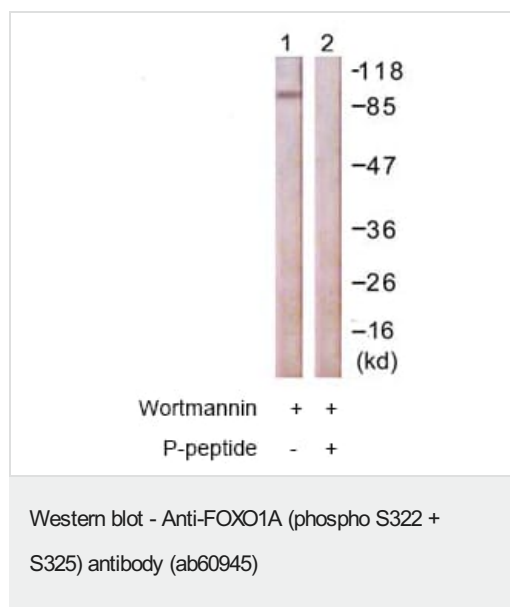
概述

产品名称	Anti-FOXO1A (phospho S322 + S325)抗体
描述	兔多克隆抗体to FOXO1A (phospho S322 + S325)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human FOXO1A (phospho S322 + S325). Synthetic phosphopeptide derived from human FOXO1A around the phosphorylation site of serine 322 and serine 325 (N-A-SP-T-I-SP-G-R).
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p>
纯度	Without Mg ²⁺ and Ca ²⁺
纯化说明	Immunogen affinity purified
克隆	ab60945 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆

同种型	lgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab60945于以下的经测试应用		
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。		
应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 90 kDa (predicted molecular weight: 70 kDa).
靶标		
功能	Transcription factor which acts as a regulator of cell responses to oxidative stress. In the presence of KIRT1, mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence.	
组织特异性	Ubiquitous.	
疾病相关	Defects in FOXO1 are a cause of rhabdomyosarcoma type 2 (RMS2) [MIM:268220]. It is a form of rhabdomyosarcoma, a highly malignant tumor of striated muscle derived from primitive mesenchimal cells and exhibiting differentiation along rhabdomyoblastic lines. Rhabdomyosarcoma is one of the most frequently occurring soft tissue sarcomas and the most common in children. It occurs in four forms: alveolar, pleomorphic, embryonal and botryoidal rhabdomyosarcomas. Note=Chromosomal aberrations involving FOXO1 are found in rhabdomyosarcoma. Translocation (2;13)(q35;q14) with PAX3; translocation t(1;13)(p36;q14) with PAX7. The resulting protein is a transcriptional activator.	
序列相似性	Contains 1 fork-head DNA-binding domain.	
翻译后修饰	Phosphorylated by AKT1; insulin-induced (By similarity). IGF1 rapidly induces phosphorylation of Ser-256, Thr-24, and Ser-319. Phosphorylation of Ser-256 decreases DNA-binding activity and promotes the phosphorylation of Thr-24, and Ser-319, permitting phosphorylation of Ser-322 and Ser-325, probably by CK1, leading to nuclear exclusion and loss of function. Phosphorylation of Ser-329 is independent of IGF1 and leads to reduced function. Phosphorylated upon DNA damage, probably by ATM or ATR.	
细胞定位	Cytoplasm. Nucleus. Shuttles between cytoplasm and nucleus.	
图片		



All lanes : Anti-FOXO1A (phospho S322 + S325) antibody (ab60945) at 1/500 dilution

Lane 1 : NIH 3T3 cell extracts treated with Wortmannin (40nM, 24hours)

Lane 2 : NIH 3T3 cell extracts treated with Wortmannin (40nM, 24hours) with immunising peptide

Predicted band size: 70 kDa

Observed band size: 90 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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