

Datasheet for ABIN7250773

anti-FOXO1 antibody (pSer322, pSer325)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	FOXO1
Binding Specificity:	pSer322, pSer325
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from human FoxO1/3 around the phosphorylation site of Ser322/S325
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	FOXO1
Alternative Name:	FOXO1/3 (FOXO1 Products)
Background:	FOXO1 (Forkhead Box O1) is a Protein Coding gene. Diseases associated with FOXO1 include

Target Details

Rhabdomyosarcoma 2, Alveolar and Rhabdomyosarcoma. Among its related pathways are Constitutive Signaling by AKT1 E17K in Cancer and Common Cytokine Receptor Gamma-Chain Family Signaling Pathways. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and chromatin binding. An important paralog of this gene is FOXO3. FOXO3 (Forkhead Box O3) is a Protein Coding gene. Diseases associated with FOXO3 include Rhabdomyosarcoma and Lung Cancer. Among its related pathways are Development IGF-1 receptor signaling and Constitutive Signaling by AKT1 E17K in Cancer. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and protein kinase binding. An important paralog of this gene is FOXO1.

Molecular Weight: Observed_MW: 97 kDa
Calculated_MW: 70 kDa

UniProt: [Q12778](#), [O43524](#)

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: WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

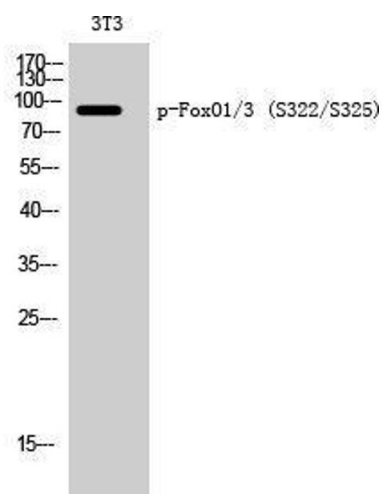
Buffer: PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western Blot analysis of 3T3 cells with Phospho-FoxO1/3 (Ser322/S325) Polyclonal Antibody