AFX(Phospho-Ser197) Antibody

Catalog No: #11137

Package Size: #11137-1 50ul #11137-2 100ul

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

Description

Product Name	AFX(Phospho-Ser197) 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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of AFX only when phosphorylated at serine 197.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 197 (A-A-S(p)-M-D) derived from Human AFX.
Target Name	AFX
Modification	Phospho
Other Names	AFX; FOXO4; AFX1; Afxh;
Accession No.	Swiss-Prot: P98177NCBI Protein: NP_001164402.1
Uniprot	P98177
GeneID	4303;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

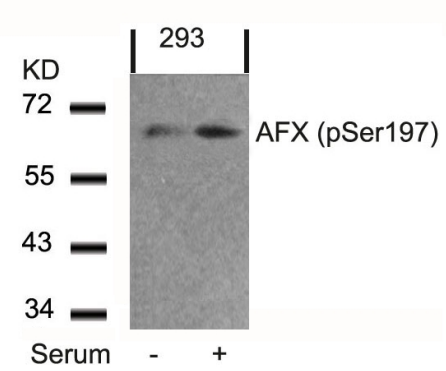
Predicted MW: 65kd

Western blotting: 1:500~1:1000

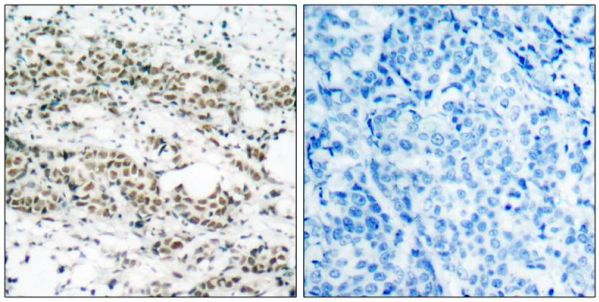
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

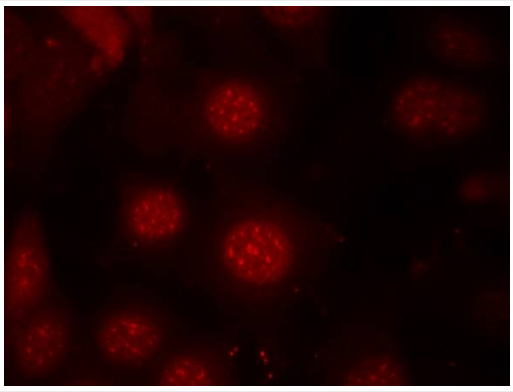
Images



Western blot analysis of extracts from 293 cells untreated or treated with serum using AFX(Phospho-Ser197) Antibody #11137.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AFX(Phospho-Ser197) Antibody #11137(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using AFX(Phospho-Ser197) Antibody #11137.

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.

Di Maira G, et al. (2005)Cell Death Differ; 12(6): 668-77.

Essers MA, et al. EMBO J 2004 Nov. 11.

Brownawell AM, (2001) Mol Cell Biol; 21(10): 3534-46.

Kops GJ, et al. (1999) Nature; 398(6728): 630-4.

Note: This product is for in vitro research use only