FKHRL1(Phospho-Ser253) Antibody

Catalog No: #11157

Package Size: #11157-1 50ul #11157-2 100ul

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

Description

Product Name	FKHRL1(Phospho-Ser253) 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	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of FKHRL1 only when phosphorylated at serine 253.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 253(A-V-S(p)-M-D) derived from Human FKHRL1.
Conjugates	Unconjugated
Target Name	FKHRL1
Modification	Phospho
Other Names	FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2
Accession No.	Swiss-Prot: O43524NCBI Gene ID: 2309NCBI mRNA: NM_001455.3NCBI Protein: NP_001446.1
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

Application Details

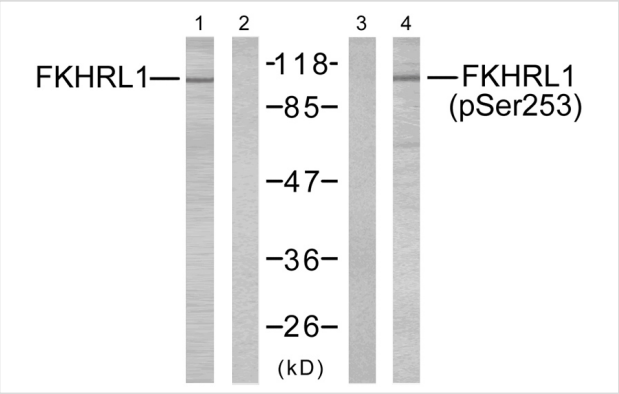
Predicted MW: 97kd

Western blotting: 1:500~1:1000

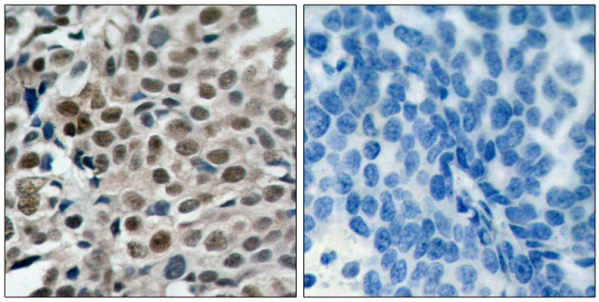
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

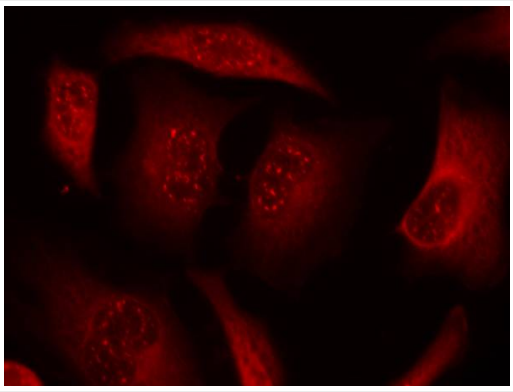
Images



Western blot analysis of extracts from NIH/3T3 cells using FKHRL1 (Ab-253) antibody (#21171, Lane 1 and 2) and FKHRL1 (phospho-Ser253) antibody (#11157, Lane 3 and 4).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHRL1 (phospho-Ser253) antibody (#11157).



Immunofluorescence staining of methanol-fixed HeLa cells using FKHRL1 (phospho-Ser253) antibody (#11157, Red).

Background

Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'. Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation.

Lehtinen M.K., Yuan Z., Boag P.R., Yang Y., Villen J., Becker E.B.E., DiBacco S., de la Iglesia N., Gygi S.P., Blackwell T.K., Bonni A.Cell 125:987-1001(2006) Morishita D., Katayama R., Sekimizu K., Tsuruo T., Fujita N.Cancer Res. 68:5076-5085(2008) Kress T.R., Cannell I.G., Brenkman A.B., Samans B., Gaestel M., Roepman P., Burgering B.M., Bushell M., Rosenwald A., Eilers M.Mol. Cell 41:445-457(2011)

Published Papers

el at., Activation of Akt/FoxO signaling pathway contributes to induction of neuroprotection against transient global cerebral ischemia by hypoxic pre-conditioning in adult rats.In J Neurochem on 2010 Aug by Zhan L, Wang T, et al..PMID:20492357, , (2010)

PMID:20492357

el at., Activation of Akt/FoxO and inactivation of MEK/ERK pathways contribute to induction of neuroprotection against transient global cerebral ischemia by delayed hypoxic postconditioning in adult rats.In Neuropharmacology on 2012 Oct by Zhan L, Li D,et al..PMID:22749925, , (2012)

PMID:22749925

el at., Involvement of PI3K/Akt/FoxO3a and PKA/CREB signaling pathways in the protective effect of fluoxetine against corticosterone-induced cytotoxicity in PC12 cells.In J Mol Neurosci

on 2016 Aug by Bingqing Zeng , Yiwen Li et al ..PMID:27412469 , , (2016)

PMID:27412469

Note: This product is for in vitro research use only and is not intended for use in humans or animals.