

FKHRL1(Phospho-Ser253) Antibody

Catalog No: #11157



Package Size: #11157-1 50ul #11157-2 100ul #11157-4 25ul

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 chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
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.
Target Name	FKHRL1
Modification	Phospho-Ser253
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 Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

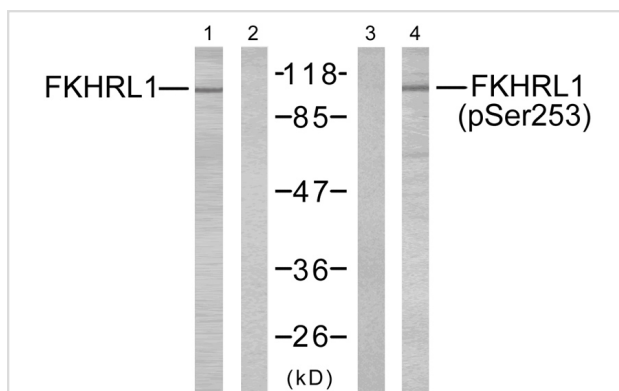
Predicted MW: 97kd

Western blotting: 1:500~1:1000

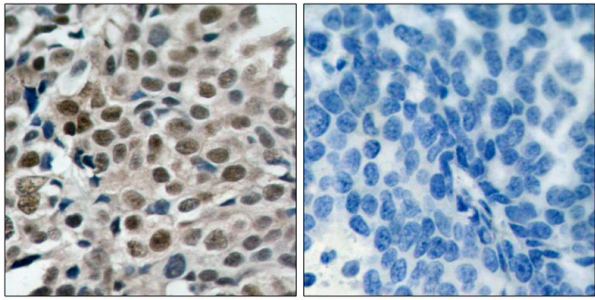
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

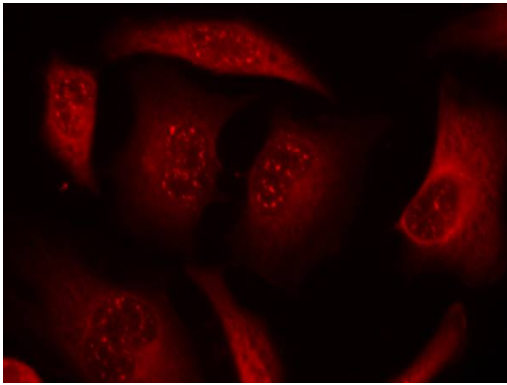
Images



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)

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