

## FKHRL1(Phospho-Ser253) Antibody

Catalog No: #11157

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

## 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.<br>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.                                                                                                                                                                                     |
| 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                                                                                                                                                                                                     |
| Calculated MW         | 90kD                                                                                                                                                                                                                                                                                    |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                 |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                          |

## Application Details

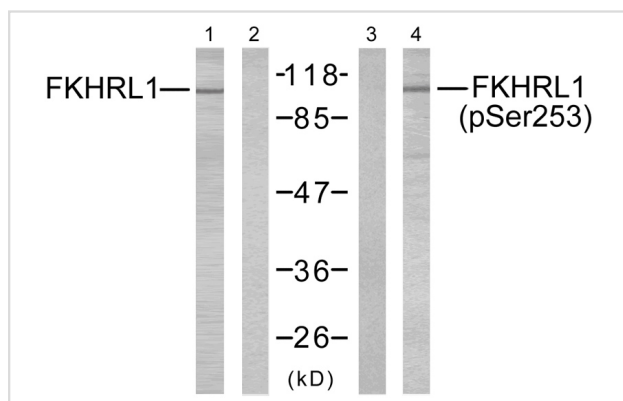
Predicted MW: 97kd

Western blotting: 1:500~1:1000

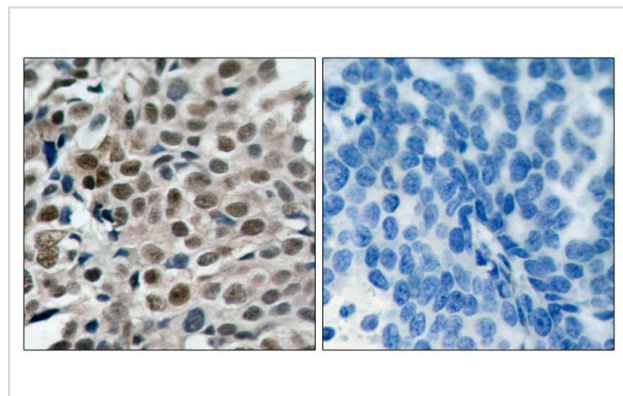
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

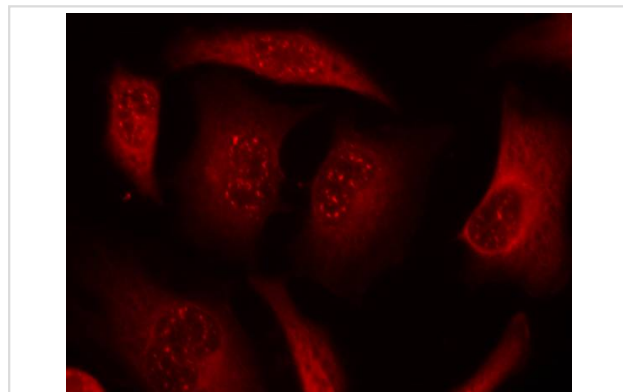
## Images



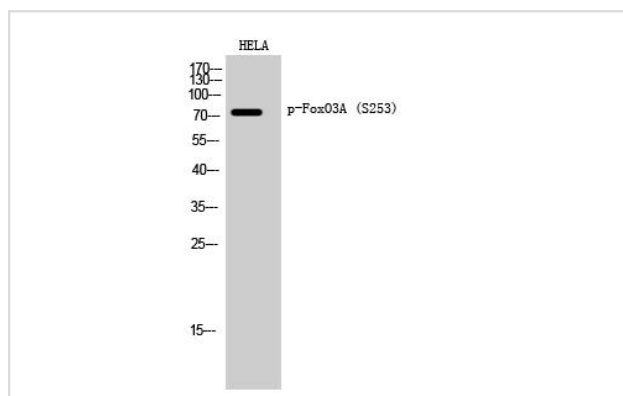
Western blot analysis of extracts from NIH/3T3 cells using FKHL1 (Ab-253) antibody (#21171, Lane 1 and 2) and FKHL1 (phospho-Ser253) antibody (#11157, Lane 3 and 4).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHL1 (phospho-Ser253) antibody (#11157).



Immunofluorescence staining of methanol-fixed HeLa cells using FKHL1 (phospho-Ser253) antibody (#11157, Red).



Western Blot analysis of HELA cells using Phospho-FoxO3A (S253) Polyclonal Antibody diluted at 1:2000

## Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008],

## 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](#)

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