Product Datasheet

FKHR(Phospho-Ser319) Antibody

Catalog No: #11136

Package Size: #11136-1 50ul #11136-2 100ul

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

Description

Product Name	FKHR(Phospho-Ser319) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of FKHR only when phosphorylated at serine 319.
Immunogen Type	Peptide-KLH
Immunogen Description	The antiserum was produced against synthesized peptide derived from human FKHR around the phosphorylation site of Ser319.
Target Name	FKHR
Modification	Phospho
Other Names	FOXO1
Accession No.	Swiss-Prot: Q12778NCBI Protein: NP_002006.2
Uniprot	Q12778
GeneID	2308;
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

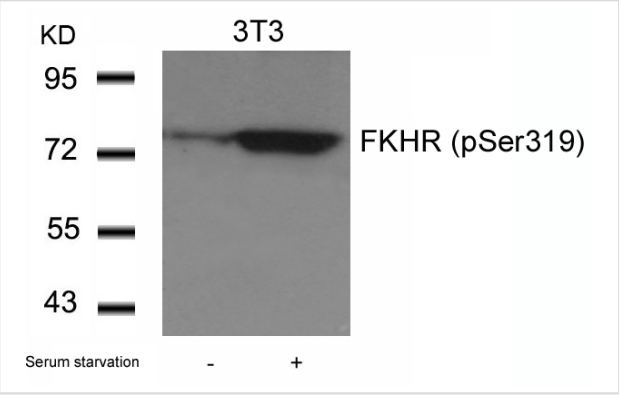
Application Details

WB 1:500-1:2000

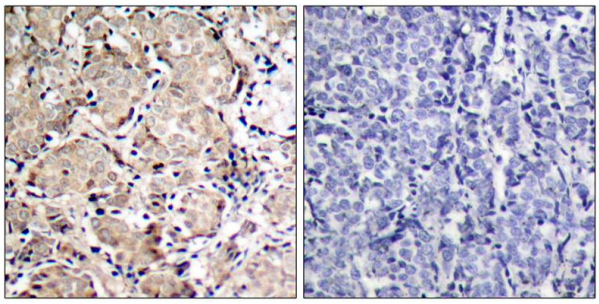
IHC 1:100-1:300

IF 1:50-200

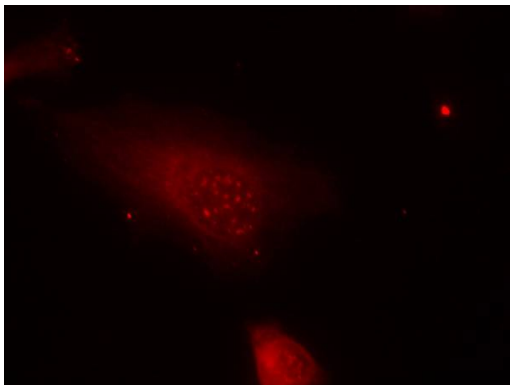
Images



Western blot analysis of extracts from 3T3 cells untreated or treated with serum starvation using FKHR(Phospho-Ser319) Antibody #11136.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHR(Phospho-Ser319) Antibody #11136(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using FKHR(Phospho-Ser319) Antibody #11136.

Background

FKHR belongs to the forkhead family of transcription factors, which are characterized by a distinct forkhead domain. It may play a role in myogenic growth and differentiation. The mammalian DAF-16-like transcription factors, FKHR, FKHRL1, and AFX, function as key regulators of insulin signaling, cell cycle progression, and apoptosis downstream of phosphoinositide 3-kinase. Gene activation through binding to insulin response sequences has been essential for mediating these functions. D-type Cyclins (in Class III) is required for FKHR mediated inhibition of cell cycle progression and transformation. FKHR gene is mapped to chromosome 13q14

Rena G, et al. (2002) EMBO J 21(9): 2263-2271.
Woods YL, et al. (2001) Biochem J355(Pt 3): 597-607.
Rena G, et al. (2001) Biochem J 354(Pt 3): 605-612.

Note: This product is for in vitro research use only