

# FKHR(Ab-256) Antibody

Catalog No: #21138



Package Size: #21138-1 50ul #21138-2 100ul #21138-4 25ul

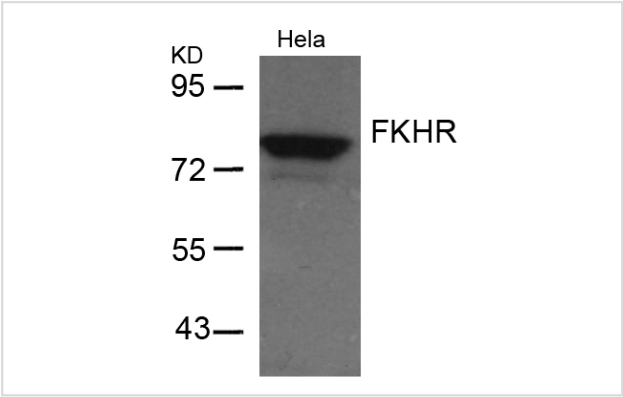
## Overview

|                    |                       |
|--------------------|-----------------------|
| Product Name       | FKHR(Ab-256) Antibody |
| Host Species       | Rabbit                |
| Clonality          | Polyclonal            |
| Applications       | WB IHC IF             |
| Species Reactivity | Human Mouse Rat       |
| Immunogen Type     | Peptide-KLH           |
| Target Name        | FKHR                  |
| Alternative Names  | FOXO1                 |

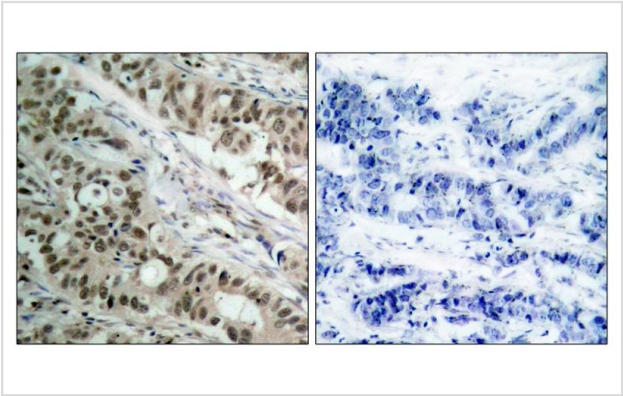
## Application Details

|                                  |
|----------------------------------|
| Predicted MW: 78-82 kd           |
| Western blotting: 1:500~1:1000   |
| Immunohistochemistry: 1:50~1:100 |
| Immunofluorescence: 1:100~1:200  |

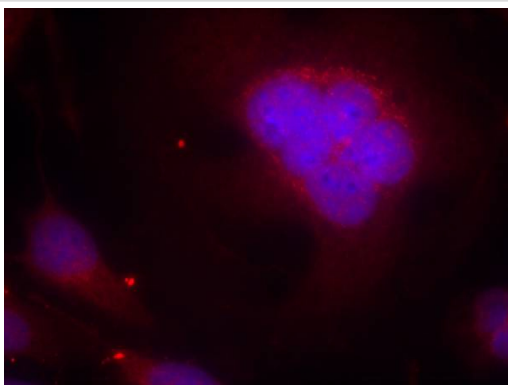
## Images



Western blot analysis of extracts from HeLa cells using FKHR(Ab-256) Antibody #21138.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHR(Ab-256) Antibody #21138(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using FKHR(Ab-256) Antibody #21138.

## Descriptions

|               |   |
|---------------|---|
| Immunogen     | Peptide sequence around aa.254~258 (A-A-S-M-D) derived from Human FKHR/FOXO1A.  |
| Specificity   | The antibody detects endogenous level of total FKHR protein.  |
| Purification  | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Formulation   | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.   |
| Accession NO. | Swiss-Prot: Q12778NCBI Protein: NP_002006.2   |

## Related Information

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, FKHL1, 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

Gan L, et al. (2005) J Neurochem; 93(5): 1209-19.

Smith WW, et al. (2005) J Cell Biol; 169(2): 331-9.

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

Horn S, et al. (2004) Leukemia; 18(11): 1839-49.

Zhao X, et al. (2004) Biochem J 4; 378(Pt 3): 839-49.

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