# FKHR(Ab-256) Antibody

#21138

**Catalog Number:** 21138-1, 21138-2

**Amount:** 50 μg/50 μl, 100 μg/100 μl

**Swiss-Prot No. :** Q12778

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20℃/1 year

**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human FKHR around the phosphorylation site of serine 256 (A-A-Sp-M-D).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

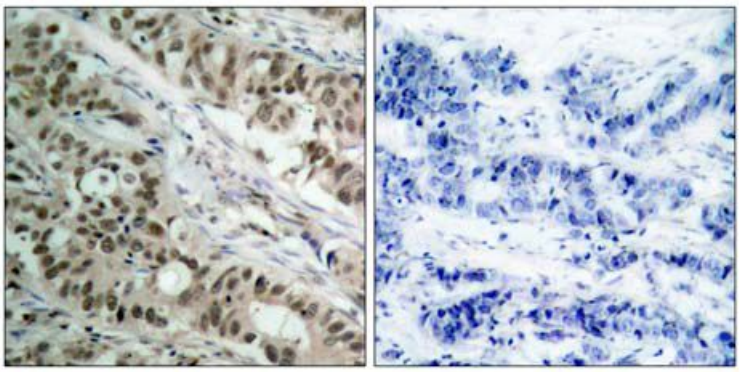
**Specificity/Sensitivity:** FKHR(Ab-256) antibody detects endogenous levels of total FKHR protein

**Reactivity:** Human, Mouse, Rat

**Applications:**

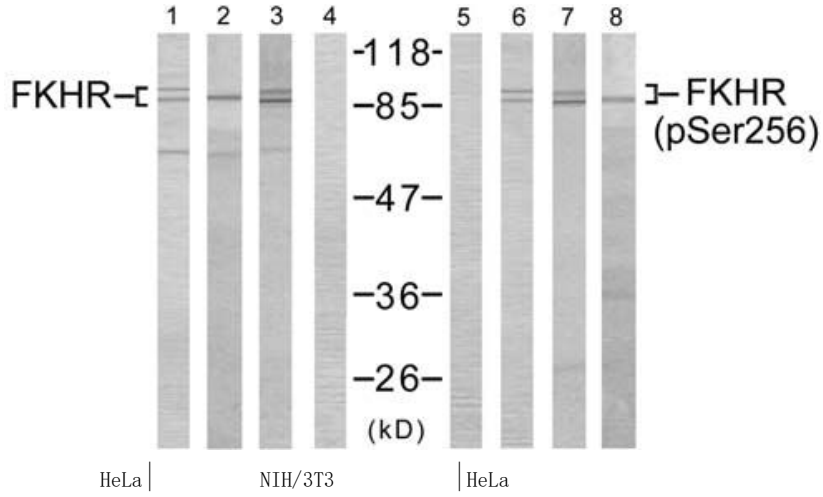
Predicted MW: 78-82kd

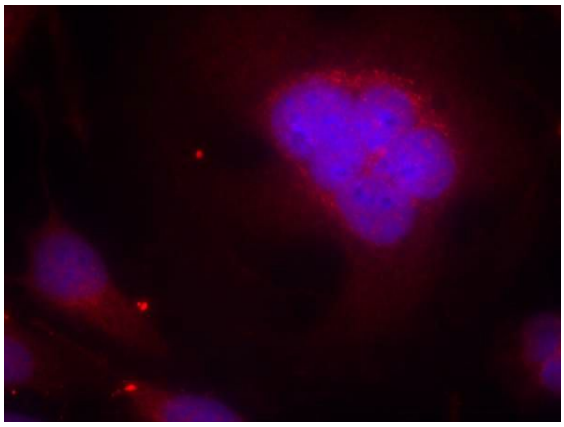
WB: 1:500~1:1000 IHC: 1:50~1:100 IF:1:100~1:200



Peptide − +

. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHR (Ab-256)antibody (#21138).



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

## 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

## References：

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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.