



FKHR (Phospho-Ser256) Antibody

#11115

Catalog Number: 11115-1, 11115-2

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°C/1 year

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

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

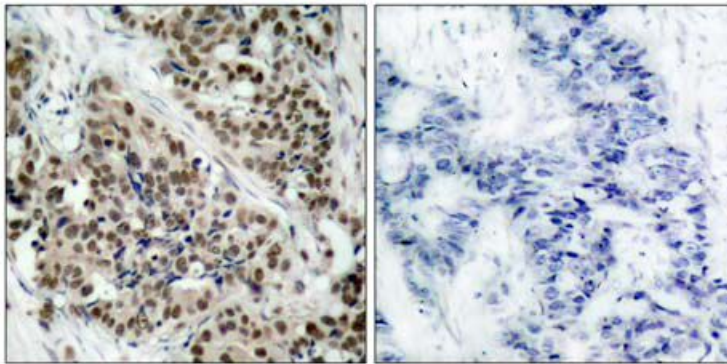
Specificity/Sensitivity: FKHR (phospho-Ser256) antibody detects endogenous levels of FKHR only when phosphorylated at serine 256.

Reactivity: Human, Mouse, Rat

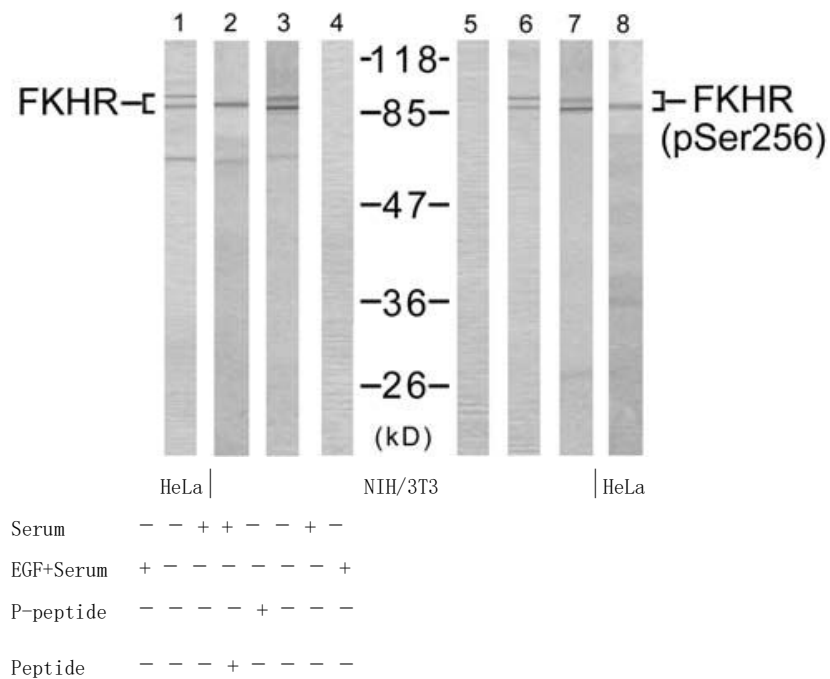
Applications:

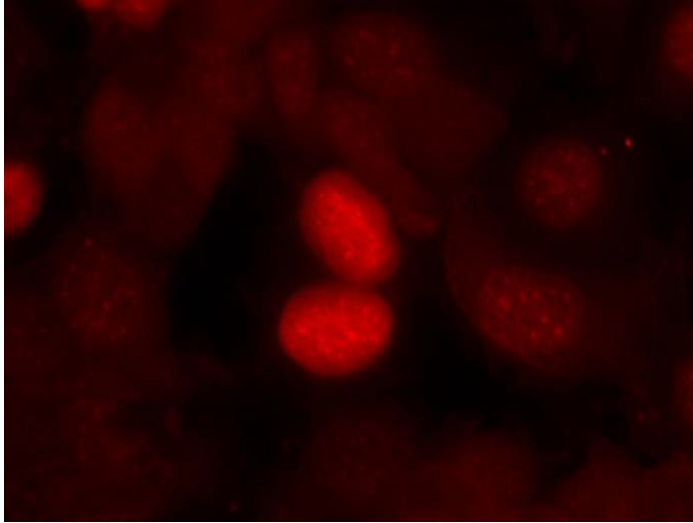
Predicted MW: 78-82kd

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



p-Peptide - +
Immunohistochemical analysis of paraffin-embedded
human breast carcinoma tissue using FKHR (phospho-Ser256) antibody (#11115).





Immunofluorescence staining of methanol-fixed HeLa cells using FKHR (phospho- Ser256) antibody (#11115, 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, 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

References:

- 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.