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35-1486: Polyclonal Antibody to FKHR (Ab-256)

Clonality :	Polyclonal
Application :	WB,IHC,IF
Reactivity :	Human,Mouse,Rat
Gene :	FOXO1
Gene ID :	2308
Uniprot ID :	Q12778
Format :	Purified
Alternative Name :	FOXO1
Isotype :	Rabbit IgG
Immunogen Information	: Peptide sequence around aa.254~258 (A-A-S-M-D) derived from Human FKHR/FOXO1A.

Description

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 3kinase. Gene activation through binding to insulin response sequences has been essential for mediating these functions. Dtype 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.

Product Info

Amount :	50 μl / 100 μl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

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

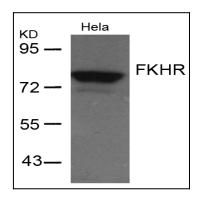


Figure 1: Western blot analysis of extracts from Hela cells using FKHR (Ab-256) Antibody 35-1486 .

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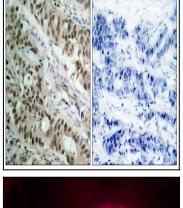


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FKHR (Ab-256) Antibody 35-1486 (left) or the same antibody preincubated with blocking peptide(right).

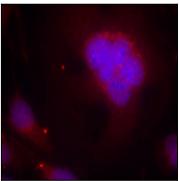


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using FKHR (Ab-256) Antibody 35-1486 .