

Product datasheet for **AP02424PU-S**

FOXO4 pSer197 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/100-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human AFX around the phosphorylation site of serine 197 (A-A-SP-M-D).
Specificity:	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. AFX (phospho-Ser197) antibody detects endogenous levels of AFX only when phosphorylated at serine 197.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	forkhead box O4
Database Link:	Entrez Gene 4303 Human P98177



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Background:

FOXO4 is a forkhead transcription factor involved in the regulation of the insulin signaling pathway. It binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. FOXO4 down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. It is also involved in negative regulation of the cell cycle.

Synonyms:

Forkhead box protein O4

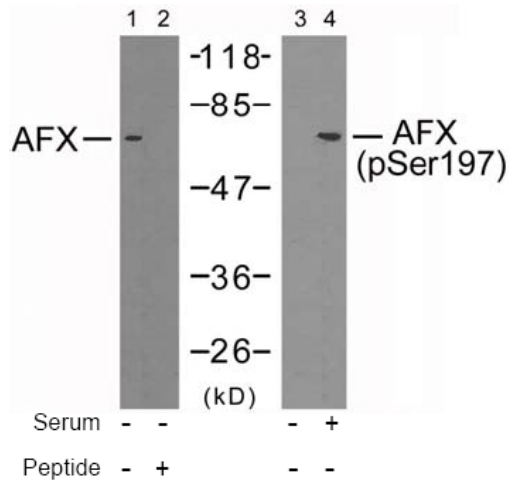
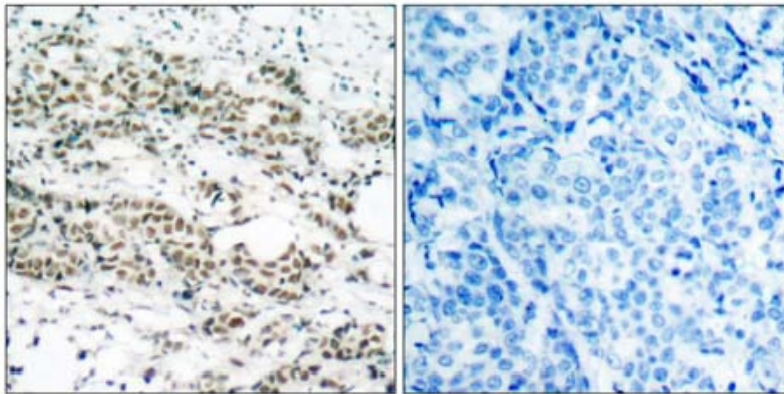
Product images:


Figure 2. Western blot analysis of extracts from 293 cells using AFX antibody (Lane 1 and 2) and AFX (phospho-Ser197) antibody (#, Lane 3 and 4).



P-Peptide - +

Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AFX (phospho-Ser197) antibody.

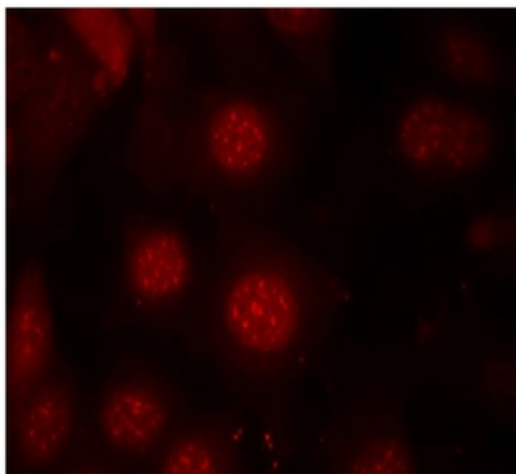


Figure 3. Immunofluorescence staining of methanol-fixed MCF7 cells using AFX (phospho-Ser197) antibody (Red).