

## Product datasheet for **AP20684PU-M**

### FOXO4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of FoxO4 protein. (region surrounding Pro191)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 55, 70 kDa
Gene Name:	forkhead box O4
Database Link:	<a href="#">Entrez Gene 54601 Mouse</a> <a href="#">Entrez Gene 4303 Human</a> <a href="#">P98177</a>
Background:	FOXO4 is a forkhead transcription factor involved in the regulation of the insulin signaling pathway. It binds to insulinresponse 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.

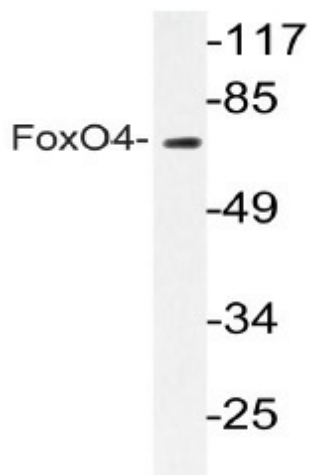


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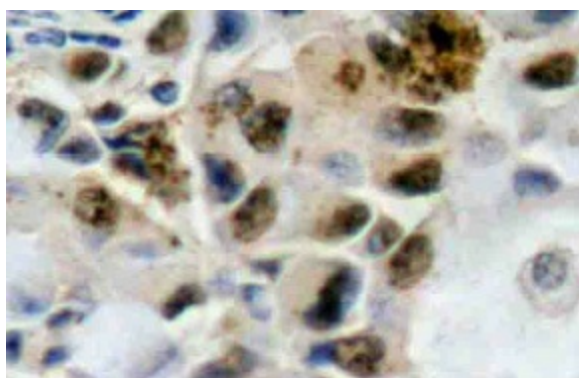
**Synonyms:** Forkhead box protein O4

**Protein Families:** Transcription Factors

**Product images:**



Western blot (WB) analyzes of FoxO4 antibody (Cat.-No.: [AP20684PU-N]) in extracts from COLO205 cells.



Immunohistochemistry (IHC) analyzes of FoxO4 antibody (Cat.-No.: [AP20684PU-N]) in paraffin-embedded human breast carcinoma tissue.