

## Rabbit FOXO4-S197 Antibody | anti-FOXO4 antibody

Phospho-FOXO4-S197 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA37385  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

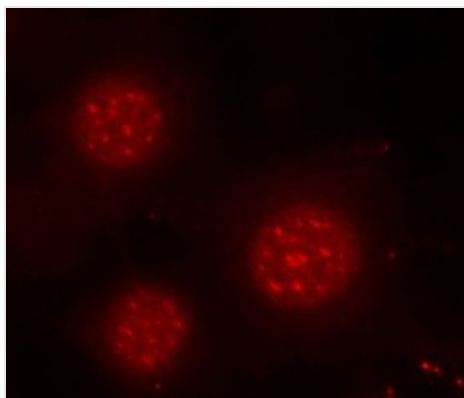
### PRODUCT SYNONYMS

FOXO4-S197; Phospho-FOXO4-S197 Polyclonal Antibody; Phospho-FOXO4-S197: AFX; AFX1; MLLT7; anti-FOXO4 antibody

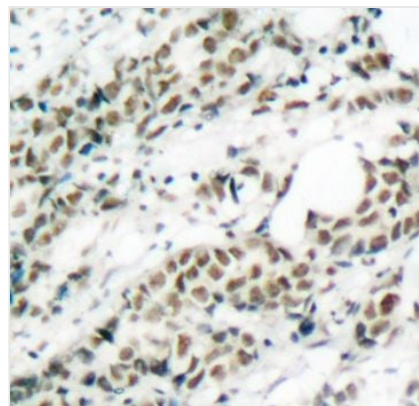
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Form/Format                                     | PBS with 0.05% proclin300,50% glycerol,pH7.3.                                                                                                         |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 505                                                                                                                                                   |
| Applicable Applications for anti-FOXO4 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Route                                           | Synthetic Peptide                                                                                                                                     |
| Immunogen                                       | A phospho specific peptide corresponding to residues surrounding S197 of human FOXO4                                                                  |
| Calculated Molecular Weight                     | 65kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

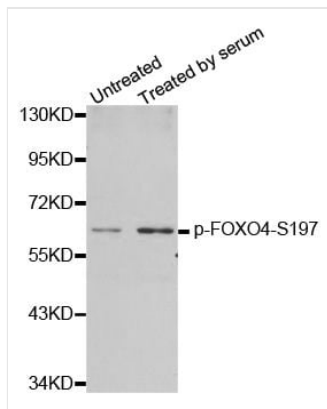
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed MCF-7 cells using Phospho-FOXO4-S197 antibody.


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human breast carcinoma tissue, using Phospho-FOXO4-S197 antibody.



#### WB (Western Blot)

Western blot analysis of extracts from 293 cells using phospho-FOXO4-S197 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-FOXO4 antibody</b> | This gene encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Product Categories/Family for anti-FOXO4 antibody</b>   | <a href="#">Phosphorylation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 110825720                                                                                                                                                           |
| <b>NCBI GeneID</b>                      | 4303                                                                                                                                                                |
| <b>UniProt Accession #</b>              | <a href="#">P98177</a> ; <a href="#">O43821</a> ; <a href="#">Q13720</a> ; <a href="#">Q3KPF1</a> ; <a href="#">Q8TDK9</a> ; <a href="#">B7WPJ7</a>                 |
| <b>Molecular Weight</b>                 | 505                                                                                                                                                                 |
| <b>NCBI Official Full Name</b>          | Forkhead box protein O4                                                                                                                                             |
| <b>NCBI Official Synonym Full Names</b> | forkhead box O4                                                                                                                                                     |
| <b>NCBI Official Symbol</b>             | FOXO4                                                                                                                                                               |
| <b>NCBI Official Synonym Symbols</b>    | AFX; AFX1; MLLT7                                                                                                                                                    |
| <b>NCBI Protein Information</b>         | forkhead box protein O4; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7 |
| <b>UniProt Protein Name</b>             | Forkhead box protein O4                                                                                                                                             |
| <b>UniProt Gene Name</b>                | <b>FOXO4</b>                                                                                                                                                        |
| <b>UniProt Synonym Gene Names</b>       | AFX; AFX1; MLLT7                                                                                                                                                    |
| <b>UniProt Entry Name</b>               | FOXO4_HUMAN                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/foxo4-s197/37385>