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# Immunotag™ Phospho-AFX (Ser197) Antibody

## Antibody Specification

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| Catalog No. | ITA1139 |
| Product Description | Immunotag™ Phospho-AFX (Ser197) Antibody |
| Size | 100 µg, 200 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | Phospho-AFX (Ser197) |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC,IF/ICC,ELISA |
| Recommended Dilution | WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500 |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse |
| Host Species | Rabbit |
| Immunogen | A synthesized peptide derived from human AFX around the phosphorylation site of Serine 197 |
| Specificity | Phospho-AFX (Ser197) Antibody detects endogenous levels of AFX only when phosphorylated at Serine 197 |
| Purification | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Form | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt |
| Gene Name | FOXO4 |
| Accession No. | P98177 |

## Antibody Specification

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| Alternate Names | AFX; AFX1; Afxh; ALL1-fused gene from X chromosome; Fork head domain transcription factor AFX1; Forkhead box O4; Forkhead box protein O4; FOXO 4; Foxo4; FOXO4_HUMAN; MGC117660; MGC120490; Mixed lineage leukemia, translocated to, 7; MLLT7; Myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; Myeloid/lymphoid or mixed lineage leukemia, translocated to, 7; RGD1561201; |
| Description | Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity. |
| Cell Pathway/ Category | Primary Polyclonal Antibody |
| Protein MW | 65kDa |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |