

Anti- P-FOXO3A(Ser253) Rabbit pAb



WLA0441

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name Anti- P-FOXO3A(Ser253) Rabbit pAb**Source** Rabbit**Species reactivity** Human, Mouse, Rat

Tested applications

WB	1:500-1:1000
IHC, IF	1:50-1:200

Cellular localization Cytoplasm, cytosol. Nucleus.**Pack size** 50/100/200/500/1000µl**Storage** Store at -20°C. **Avoid freeze/thaw cycles.**

Storage buffer

Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

The Forkhead family of transcription factors is involved in tumorigenesis of rhabdomyosarcoma and acute leukemias. Within the family, three members (FoxO1, FoxO4, and FoxO3a) have sequence similarity to the nematode orthologue DAF-16. FKHR and FKHL1 (also designated FOXO3A) are functional genes. FKHL1 maintains neutrophil vitality during inflammation by suppressing FAS ligand. Increased expression of any FoxO member results in the activation of the cell cycle inhibitor p27 Kip1. Forkhead transcription factors also play a part in TGF-β-mediated upregulation of p21 Cip1, a process negatively regulated through PI3K.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-FOXO3A(Ser253).

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

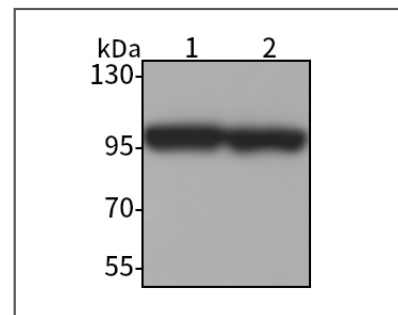
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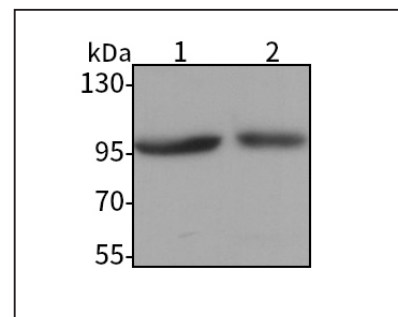
Product Images

**Western blot-Anti- P-FOXO3A(Ser253) pAb****Lane 1:** Human HEK293 cell lysate**Lane 2:** Human MCF-7 cell lysate**All lanes:** Anti- P-FOXO3A(Ser253) at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 71 kDa

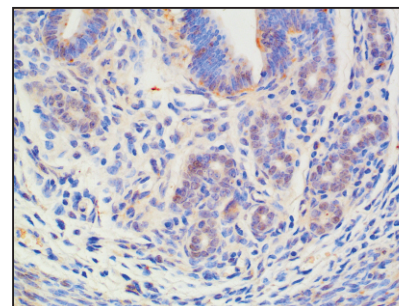
Observed band size: 71-97 kDa

**Western blot-Anti- P-FOXO3A(Ser253) pAb****Lane 1:** Mouse lung tissue lysate**Lane 2:** Rat liver tissue lysate**All lanes:** Anti- P-FOXO3A(Ser253) at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 71 kDa

Observed band size: 71-97 kDa

**Immunohistochemistry-Anti- P-FOXO3A(Ser253) pAb**

Immunohistochemical analysis of paraffin-embedded mouse uterus using anti- P-FOXO3A(Ser253) Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

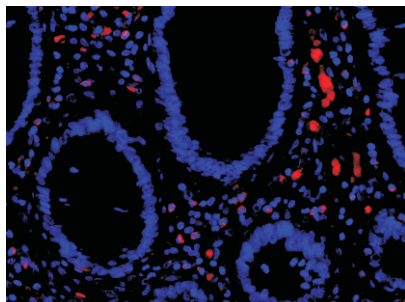
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Immunofluorescence-Anti-P-FOXO3A(Ser253) pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti- P-FOXO3A(Ser253) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0