

RACO0209

Product Information

Size:

50ul

Reactivity:

Human

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200

Protein Background:

Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress . Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3' . Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation . In response to metabolic stress, translocates into the mitochondria where it promotes mtDNA transcription .

Gene ID:

FOXO3

Uniprot

O43524

Synonyms:

Forkhead box protein O3, AF6q21 protein, FOXO3

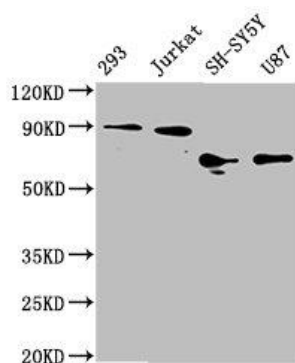
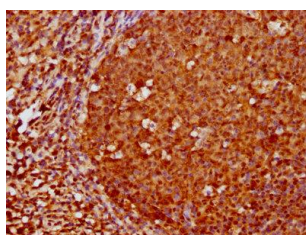
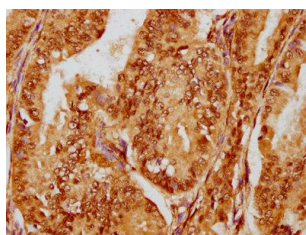
Immunogen:

A synthesized peptide derived from human FOXO3.

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



IHC image of RACO0209 diluted at 1:180 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

IHC image of RACO0209 diluted at 1:180 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blot

Positive WB detected in (293 whole cell lysate) Jurkat whole cell lysate) SH-SY5Y whole cell lysate) U87 whole cell lysate) All lanes: FOXO3A antibody at 1.8µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 72, 49 KDa

Observed band size: 72-90 KDa