

Product datasheet for **AP08296PU-N**

FOXO3 (600-673) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 2 - 4 µg/ml.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat, Xenopus
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a portion of the amino acids 600-673 of human FOXO3A.
Specificity:	This antibody recognizes Forkhead Box O3 (FOXO3)
Formulation:	PBS containing 0.05% Sodium Azide as preservative and 0.05% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	forkhead box O3
Database Link:	Entrez Gene 2309 Human O43524



[View online »](#)

Background:

FOXO3A belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. Forkhead transcription factors of the FoxO subfamily are emerging as a shared component among pathways regulating diverse cellular functions, such as differentiation, metabolism, proliferation, and survival. Their transcriptional output is controlled via a two-tiered mechanism of phosphorylation and acetylation.

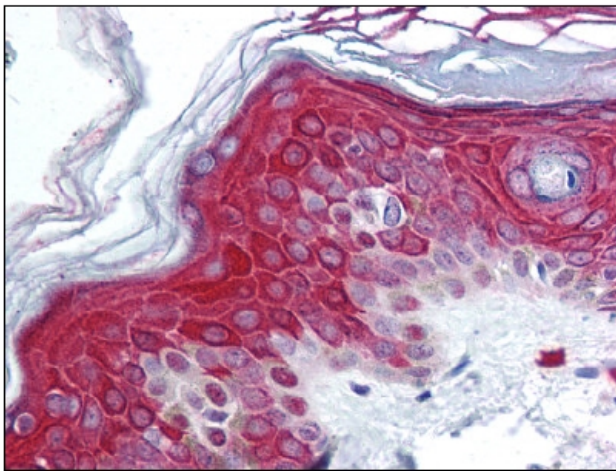
FOXO3A is a transcriptional activator which triggers apoptosis in the absence of survival factors. It recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'. FOXO3a has been shown to induce cell growth arrest to effect tumor suppression and FOXO3A genotype is strongly associated with human longevity.

Synonyms:

FOXO3A, AF6q21 protein

Note:

Predicted Molecular Weight: 71 kDa.

Product images:

FOXO3 antibody staining of Formalin-Fixed Paraffin Embedded Human Skin at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.