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Product datasheet for AM31788PU-N

FOXO3 (361-460) Mouse Monoclonal Antibody [Clone ID: 2C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2C5
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA**. **Immunofluorescence:** 10 µg/ml. **Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot:** 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	FOXO3 antibody was raised against fOXO3A (AAH21224, 361 a.a. ~ 460 a.a) partial recombinant protein with GST tag.
Specificity:	This antibody reacts to FOXO3 / FOXO3A at aa 361-460.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C to -80°C. 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 »

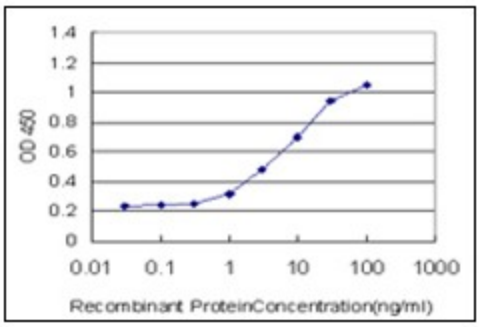
Background: Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'. Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, 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.

Synonyms: FOXO3A, AF6q21 protein

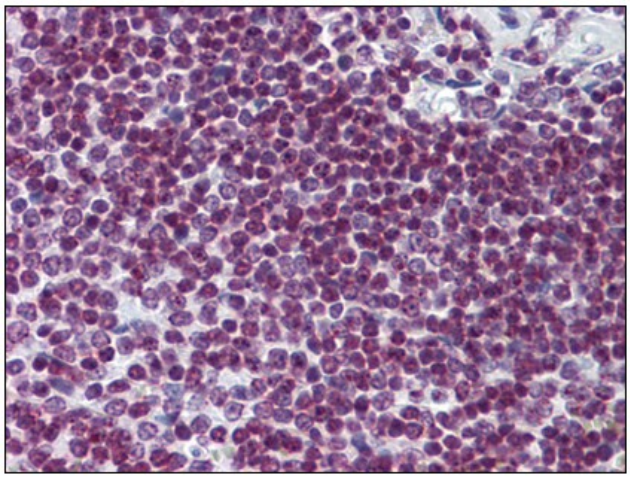
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-small cell lung cancer

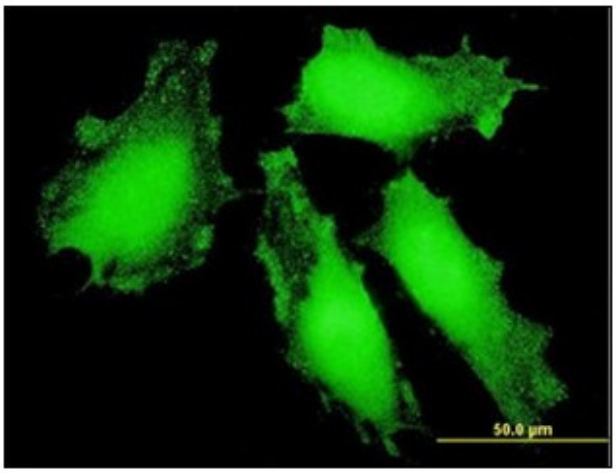
Product images:



Detection limit for recombinant GST tagged FOXO3A is approximately 0.3ng/ml as a capture antibody.



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of monoclonal antibody to FOXO3 on HeLa cell. [antibody concentration 10 ug/ml]