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FOXN3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19255B

Product Information

Application	IF, WB, E
Primary Accession	O00409
Other Accession	NP_005188.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40992
Calculated MW	53835
Antigen Region	380-408

Additional Information

Gene ID	1112
Other Names	Forkhead box protein N3, Checkpoint suppressor 1, FOXN3, C14orf116, CHES1
Target/Specificity	This FOXN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 380-408 amino acids from the C-terminal region of human FOXN3.
Dilution	IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FOXN3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FOXN3
Synonyms	C14orf116, CHES1
Function	Acts as a transcriptional repressor. May be involved in DNA damage-inducible cell cycle arrests (checkpoints).

Cellular Location Nucleus.

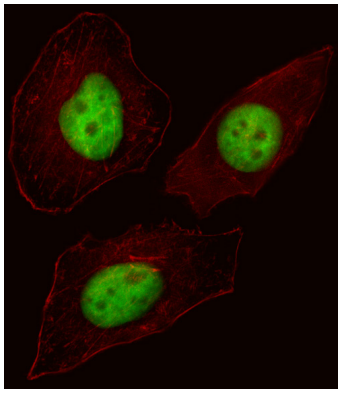
Background

This gene is a member of the forkhead/winged helix transcription factor family. Checkpoints are eukaryotic DNA damage-inducible cell cycle arrests at G1 and G2. Checkpoint suppressor 1 suppresses multiple yeast checkpoint mutations including mec1, rad9, rad53 and dun1 by activating a MEC1-independent checkpoint pathway. Alternative splicing is observed at the locus, resulting in distinct isoforms. [provided by RefSeq].

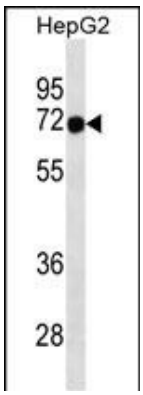
References

Samaan, G., et al. Biochem. Biophys. Res. Commun. 400(1):60-65(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Markowski, J., et al. Eur Arch Otorhinolaryngol 266(10):1501-1507(2009)
Schlade-Bartusiak, K., et al. Am. J. Med. Genet. A 146A (1), 117-123 (2008) :

Images



Fluorescent image of Hela cell stained with FOXN3 Antibody (C-term)(Cat#AP19255b).Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with FOXN3 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C).FOXN3 immunoreactivity is localized to Nucleus significantly.



FOXN3 Antibody (C-term) (Cat. #AP19255b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the FOXN3 antibody detected the FOXN3 protein (arrow).

Citations

- Bispecific Forkhead Transcription Factor FoxN3 Recognizes Two Distinct Motifs with Different DNA Shapes.
- A Hepatocyte FOXN3-α Cell Glucagon Axis Regulates Fasting Glucose.
- Checkpoint suppressor 1 suppresses transcriptional activity of ERα and breast cancer cell proliferation via deacetylase SIRT1.
- FOXN3 Regulates Hepatic Glucose Utilization.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.