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NXN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12483C

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6DKJ4
Other Accession	Q6GM16, P97346, NP_071908.2
Reactivity	Mouse
Predicted	Xenopus, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27657
Calculated MW	48392
Antigen Region	221-249

Additional Information

Gene ID	64359
Other Names	Nucleoredoxin, NXN, NRX
Target/Specificity	This NXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-249 amino acids from the Central region of human NXN.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	NXN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NXN
Synonyms	NRX
Function	Functions as a redox-dependent negative regulator of the Wnt signaling

	pathway, possibly by preventing ubiquitination of DVL3 by the BCR(KLHL12) complex. May also function as a transcriptional regulator act as a regulator of protein phosphatase 2A (PP2A) (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P97346}. Nucleus {ECO:0000250|UniProtKB:P97346}

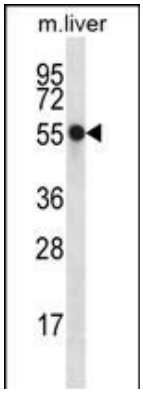
Background

NXN functions as a redox-dependent negative regulator of the Wnt signaling pathway. May function as a transcriptional regulator. May regulate phosphatase 2A (By similarity).

References

Ollila, H.M., et al. Mol. Psychiatry 14(4):351-353(2009)
Funato, Y., et al. Antioxid. Redox Signal. 9(8):1035-1057(2007)
Hirota, K., et al. Biochem. Biophys. Res. Commun. 274(1):177-182(2000)
Kurooka, H., et al. Genomics 39(3):331-339(1997)

Images



NXN Antibody (Center) (Cat. #AP12483c) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the NXN antibody detected the NXN protein (arrow).



NXN Antibody (Center) (Cat. #AP12483c)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NXN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Malignant transformation of human gastric epithelium cells via reactive oxygen species production and Wnt/β-catenin pathway activation following 40-week exposure to ochratoxin A.

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