

VCX1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10827a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9H320
Other Accession	Q9NNX9 , Q9H322 , NP_038480.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28485
Calculated MW	22289
Antigen Region	1-30

Additional Information

Gene ID	26609
Other Names	Variable charge X-linked protein 1, Variable charge protein on X with ten repeats, VCX-10r, Variably charged protein X-B1, VCX-B1, VCX, VCX1, VCX10R, VCXB1
Target/Specificity	This VCX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human VCX1.
Dilution	IHC-P~~1:100~500 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	VCX1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VCX
Synonyms	VCX1, VCX10R, VCXB1

Function May mediate a process in spermatogenesis or may play a role in sex ratio distortion.

Tissue Location Expressed exclusively in testis.

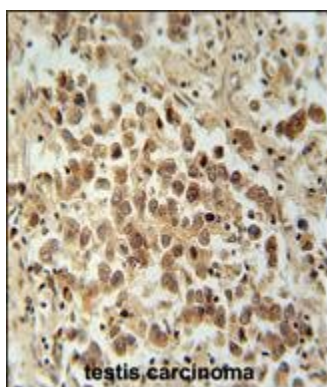
Background

This gene belongs to the VCX/Y gene family, which has multiple members on both X and Y chromosomes, and all are expressed exclusively in male germ cells. The X-linked members are clustered on chromosome Xp22 and Y-linked members are two identical copies of the gene within a palindromic region on Yq11. The family members share a high degree of sequence identity, with the exception that a 30-bp unit is tandemly repeated in X-linked members but occurs only once in Y-linked members. The VCX gene cluster is polymorphic in terms of copy number; different individuals may have a different number of VCX genes. VCX/Y genes encode small and highly charged proteins of unknown function. The presence of a putative bipartite nuclear localization signal suggests that VCX/Y members are nuclear proteins. This gene contains 10 repeats of the 30-bp unit.

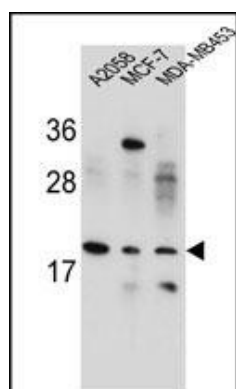
References

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Sy, S.M., et al. Lung Cancer 41(1):91-99(2003)
Zou, S.W., et al. Cell Res. 13(3):171-177(2003)
Fukami, M., et al. Am. J. Hum. Genet. 67(3):563-573(2000)
Lahn, B.T., et al. Hum. Mol. Genet. 9(2):311-319(2000)

Images



VCX1 Antibody (N-term) (Cat. #AP10827a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the VCX1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



VCX1/VCX2/VCX3 Antibody (N-term) (Cat. #AP10827a) western blot analysis in A2058, MCF-7, MDA-MB453 cell line lysates (35ug/lane). This demonstrates the VCX1/VCX2/VCX3 antibody detected the VCX1/VCX2/VCX3 protein (arrow).

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