

Polyclonal Antibody to VCX2 (N-term) - Aff - Purified

Alternate names:	R, VCXB, Variable charge X-linked protein 2
Catalog No.:	AP54503PU-N
Quantity:	0.4 ml
Concentration:	lot specific
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 2 repeats of the 30-bp unit. [provided by RefSeq].
Uniprot ID:	Q9H322
NCBI:	NP_057462
GeneID:	51480
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human VCX2
Format:	State: Liquid Ig fraction Purification: Protein A column followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:10~50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects VCX2 (N-term).
Species Reactivity:	Tested: Human
Add. Information:	Molecular Weight: 14661 Da
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009).
 2. Suzuki, Y., et al. Genome Res. 11(5):677-684(2001).
 3. Fukami, M., et al. Am. J. Hum. Genet. 67(3):563-573(2000).
 4. Lahn, B.T., et al. Hum. Mol. Genet. 9(2):311-319(2000).

Pictures: VCX2 Antibody (N-term) (AP54503PU-N) western blot analysis in MDA-MB435 cell line lysates (35 µg/lane). This demonstrates the VCX2 antibody detected the VCX2 protein (arrow).

