VCX3A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	VCX3A, Monoclonal Antibody
Full Product Name	VCX3A (Variable Charge X-linked Protein 3, VCX3, Variable Charge Protein on X with Eight Repeats, VCX8R, VCX-8r, Variably Charged Protein X-A, VCXA, VCX-A) (MaxLight 750)
Product Gene Name	anti-VCX3A antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6A3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human VCX3A.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximu recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	20kDa
OMIM	300229
3D Structure	ModBase 3D Structure for Q9NNX9
Immunogen	Partial recombinant corresponding to aa2-101 from human VCX3A (NP_057463) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SPKPRASGPPAKATEAGKRKSSSQPSPSDPKKKTTKVAKKGKAVRRGRRGKKGAATKMAAVTAPEAESGPAAPGPSDQPSQELPQHELPPEEPVSEGT
Conjugate	MaxLight750
Product Categories/Family for anti-VCX3A antibody	Antibodies; RNA Processing
Applications Tested/Suitable for anti-VCX3A antibody	FLISA, Western Blot (WB)
Application Notes for anti-VCX3A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-VCX3A antibody	MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging ar increased immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000.

Other Notes	Small volumes of anti-VCX3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VCX3A purchase	MBS6236087 is an antibody targeting VCX3A. Also known as VCX3A (Variable Charge X-linked Protein 3, VCX3, Variable Charge Protein on X with Eight Repeats, VCX8R, VCX-8r, Variably Charged Protein X-A, VCXA, VCX-A) (MaxLight 750). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VCX3A. It may not necessarily be applicable to this product.

NCBI GI #	48762947
NCBI GeneID	51481
NCBI Accession #	NP_057463
UniProt Primary Accession #	Q9NNX9
UniProt Related Accession #	Q9NNX9
GenBank Nucleotide #	NM_016379
NCBI Official Full Name	variable charge X-linked protein 3
NCBI Official Synonym Full Names	variable charge X-linked 3A
NCBI Official Symbol	VCX3A
NCBI Official Synonym Symbols	VCX3; VCXA; VCX-A; VCX8R; VCX-8r
UniProt Protein Name	Variable charge X-linked protein 3
UniProt Synonym Protein Names	Variable charge protein on X with eight repeats; VCX-8r; Variably charged protein X-A
Protein Family	Variable charge X-linked protein
UniProt Gene Name	VCX3A
UniProt Synonym Gene Names	VCX3; VCX8R; VCXA; VCX-8r; VCX-A
UniProt Entry Name	VCX3_HUMAN
NCBI Protein Information	variable charge X-linked protein 3
NCBI Summary for VCX3A	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 8 repeats of the 30-bp unit. [provided by RefSeq, Jul 2008]
UniProt Comments for VCX3A	VCX3A: May mediate a process in spermatogenesis or may play a role in sex ratio distortion. Belongs to the VCX/VCY family. Chromosomal Location of Human Ortholog: Xp22 Cellular Component: nucleolus; nucleus Biological Process: brain development
Research Articles on VCX3A	**1.** We demonstrate that VCX-A can specifically bind a subset of mRNAs involved in neuritogenesis and is also capable of promoting translational silencing.

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