

DATASHEET

VSX2 Rabbit Monoclonal Antibody(C992)

CAT. NO. AMA00604

KEY FEATURES

Target	VSX2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Acts as a transcriptional regulator through binding to DNA at the consensus sequence 5'-[TC]TAATT[AG][AG]-3' upstream of gene promoters . Plays a significant role in the specification and morphogenesis of the sensory retina . May play a role in specification of V2a interneurons during spinal cord development . Mediates differentiation of V2a interneurons by repression of motor neuron gene transcription, via competitively binding to response elements that are activated by the ISL1-LHX3 complex, such as VSX1 . Acts as a positive transcriptional regulator of NXNL1; regulation is significantly increased in synergy with VSX1 . Acts as a negative transcriptional regulator of MITF . Represses SAG transcription by competitive inhibition of ISL1-LHX3 response elements .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

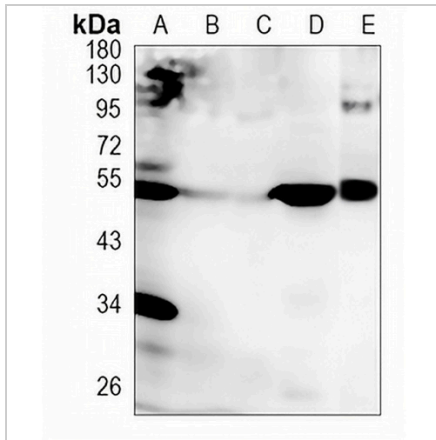
Description	Recombinant rabbit monoclonal antibody to VSX2
Specificity	Recognizes endogenous levels of VSX2 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human VSX2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 39 kD; Observed: 50 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	CHX10; HOX10; Visual system homeobox 2; Ceh-10 homeodomain-containing homolog; Homeobox protein CHX10
Gene Symbol	VSX2
Entrez Gene	338917(Human); 12677(Mouse)
SwissProt	P58304(Human); Q61412(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of VSX2 expression in HEK293T (A), H1792 (B), LOVO (C), mouse brain (D), rat brain (E) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 50 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.