

## Anti-CHX10/VSX2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A05180-Fluoro488

### About VSX2

Visual system homeobox 2 is a protein that in humans is encoded by the VSX2 gene. This gene encodes a homeobox protein originally described as a retina-specific transcription factor. Mutations in this gene are associated with microphthalmia, cataracts and iris abnormalities. In situ hybridization to human fetal retinal sections detected CHX10 expression in retinal neuroblasts at all stages examined. Human CHX10 is expressed in progenitor cells of the developing neuroretina and in the inner nuclear layer of the mature retina.

### Overview

Product Name	Anti-CHX10/VSX2 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P58304

### Technical Details

Immunogen	E. coli-derived human CHX10 recombinant protein (Position: A249-A361). Human CHX10 shares 90.3% amino acid (aa) sequence identity with mouse CHX10.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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