

Datasheet for ABIN932999  
**anti-VAX2 antibody**

2 Images



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## Overview

Quantity:	100 µg
Target:	VAX2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Dot Blot (DB)

## Product Details

Immunogen:	VAX2 antibody was raised in mouse using recombinant Human Ventral Anterior Homeobox 2 (Vax2)
Clone:	VAX2A8F12
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine)
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	VAX2
Alternative Name:	VAX2 ( <a href="#">VAX2 Products</a> )

## Target Details

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**Background:** VAX2 gene was named based on its high sequence similarity to VAX1 gene and is almost exclusively expressed in the ventral portion of the retina during development. It may play an important role in morphogenetic processes underlying the correct development of the eye, particularly in the establishment of a correct dorsoventral pattern. Synonyms: Monoclonal VAX2 antibody, Anti-VAX2 antibody, Ventral anterior homeobox 2 antibody, DRES93 antibody.

## Application Details

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**Application Notes:** WB: 0.2-2 µg/mL, ICC: 2-100 µg/mL  
Optimal conditions should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** Lot specific

**Buffer:** VAX2 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

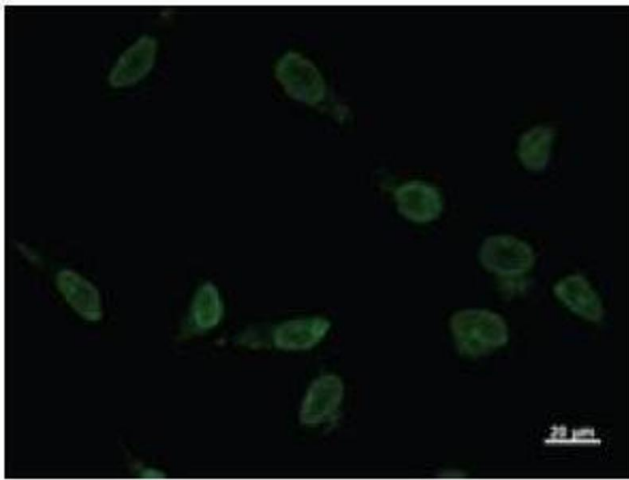
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

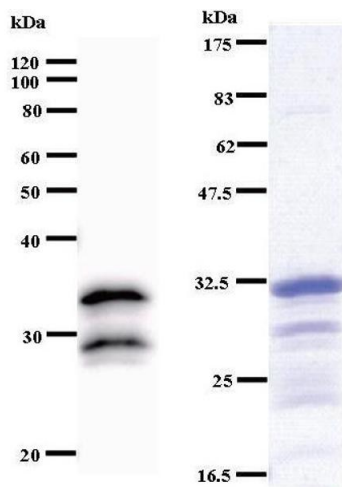
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



### Immunofluorescence

**Image 1.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-x100 in PBS. The cells were immunostained with anti-VAX2 antibody.



### Western Blotting

**Image 2.** Left: VAX2 staining. Right: Coomassie Blue staining of immunized recombinant protein.