

Product datasheet

Anti-Vitellogenin antibody [JE-10D4] ab36804

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Overview

Product name	Anti-Vitellogenin antibody [JE-10D4]
Description	Mouse monoclonal [JE-10D4] to Vitellogenin
Host species	Mouse
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Carp, Zebrafish, Brown bullhead, Common roach, Fathead minnow
Immunogen	Full length native vitellogenin purified from whole body homogenate of 17 beta estradiol treated zebrafish.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.08% Sodium azide Constituents: 1% BSA, 0.87% Sodium chloride, 1.64% Sodium phosphate
Purity	Protein G purified
Clonality	Monoclonal
Clone number	JE-10D4
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab36804 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/100 - 1/1000.
WB		1/100 - 1/1000.

Target

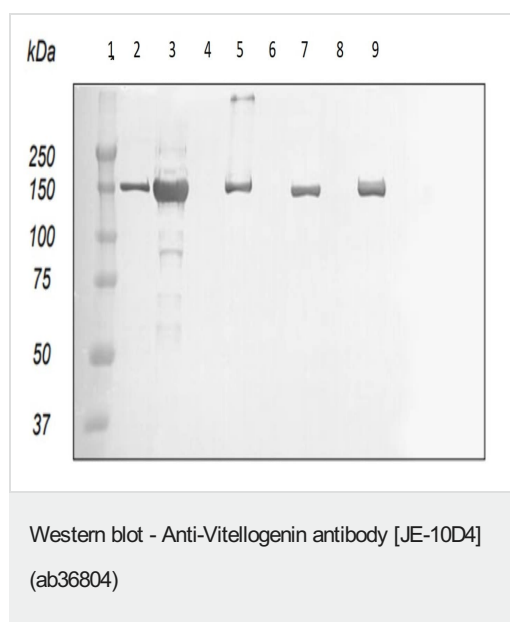
Relevance

Vitellogenin (Vg) is an egg yolk precursor protein expressed solely in female fish and is dormant in male fish, but in the presence of estrogenic EDCs, male fish can express the Vg gene but in a dose dependent manner. The use of Vg gene expression in male fish can be used as a molecular marker of exposure to estrogenic Endocrine Disrupting Chemicals (EDCs).

Cellular localization

Secreted

Images



All lanes : Anti-Vitellogenin antibody [JE-10D4] (ab36804) at 1/500 dilution

Lane 2 : Zebrafish purified vitellogenin at 1 μ g

Lane 3 : Zebrafish whole body homogenate (17B-estradiol treated) at 10 μ g

Lane 4 : Zebrafish whole body homogenate (control) at 10 μ g

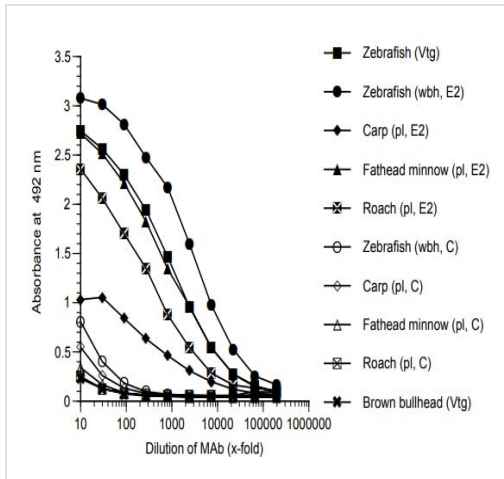
Lane 5 : Carp plasma (17B-estradiol treated) at 10 μ l

Lane 6 : Carp plasma (control) at 10 μ l

Lane 7 : Fathead minnow plasma (17B-estradiol treated) at 10 μ l

Lane 8 : Fathead minnow plasma (control) at 10 μ g

Lane 9 : Roach plasma (control) at 10 μ g



ELISA - Anti-Vitellogenin antibody [JE-10D4]
(ab36804)

ELISA using ab36804 for measurement of vitellogenin in various samples.

ELISA coating: Whole body homogenate (wbh; 10 µg protein/ml) or plasma (pl; diluted 1:1000) from 17β-estradiol treated (E2) or control (C) fsh. Purified vitellogenin (Vtg; 2 µg/ml).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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