abcam

Product datasheet

Anti-Vitellogenin antibody [ND-3G6] ab36794

1 Abreviews 2 Images

Overview

Product name	Anti-Vitellogenin antibody [ND-3G6]
Description	Mouse monoclonal [ND-3G6] to Vitellogenin
Host species	Mouse
Tested applications	**Suitable for:** IHC-P, ELISA, WB
Species reactivity	The monoclonal antibody ND-3G6 binds with high affinity to vitellogenin from Japanese quail (coturnix japonica), common tern (Sterna hirundo) and barn swallow (Hirundo rustica). The antibody also cross-reacts with vitellogenin from other bird species, including American kestrel (Falco sparverius), zebra finch (Taeniopygia guttata) and domestic chicken (Gallus gallus). The degree of cross-reactivity differs between species and with the methods employed.
Immunogen	Mixture of Vitellogenin from Japanese quail (coturnix japonica), common tern (Sterna hirundo) and barn swallow (Hirundo rustica).

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	Preservative: None Constituents: BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	ND-3G6
Isotype	IgG1
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab36794** 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
IHC-P	★★★★☆	
ELISA		
WB		

Application notes

ELISA: 1/100 - 1/1000.
WB: 1/50 - 1/500.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

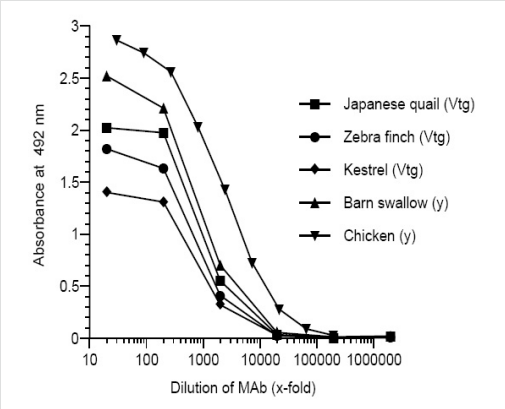
Relevance

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

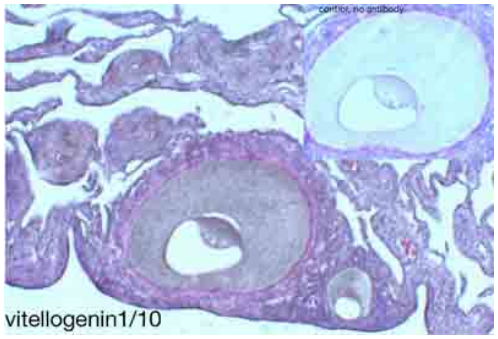
Secreted

Images



- Vitellogenin antibody [ND-3G6] (ab36794)

Coating: Purified Vtg (2 µg/ml) or egg yolk (y; diluted 1:500). Primary antibody: ND-3G6



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vitellogenin antibody [ND-3G6] (ab36794)

Image courtesy of Dr Peter Wooding by Abreview.

ab36794 staining Vitellogenin in chicken ovary sections by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).
Tissue was fixed in formaldehyde, blocked using 1% BSA for 30 minutes at 20°C, then incubated with ab36794 at a 1/20 dilution for 20 hours at 4°C. The secondary used was a 5nm Gold conjugated goat anti-rabbit polyclonal used at a 1/40 dilution.
Counterstained with HandE.

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