abcam

Product datasheet

Anti-Taxol antibody ab26953

★★★★☆ **2 Abreviews**   **2 References**   1 Image

Overview

Product name	Anti-Taxol antibody
Description	Rabbit polyclonal to Taxol
Host species	Rabbit
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Species independent
Immunogen	Taxol conjugation tg (Thyroglobulin bovine).
General notes	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.
	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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.01% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab26953 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)	

Application notes

ELISA: 1/10000.

Antigen is coated on EIA strips at 0.4 µg per well. Antiserum is diluted in series from 1/10 to 1/10,000 and added in separate wells.

Incubate the antibody for 0.5 hr. Wash off unbound antibodies and add anti-rabbit IgG-HRP conjugate. Wash the plates and add substrate to develop color for 5 min. Read absorbance at 405 nm. The intensity of the colour is directly proportional to the amount of antigen present.

A positive is when the sample signal is double that of the control or pre-immune serum.

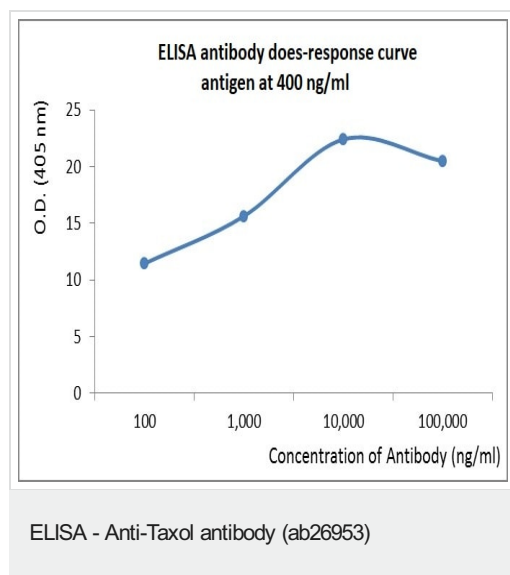Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

Taxol (paclitaxel) is particularly effective as an anticancer agent because tubulin is not its only target. It also binds to a protein called Bcl2, which normally blocks the process of apoptosis, or cell death. Taxol therefore plays a dual role in destroying dividing cells,firstly by stabilising assembled microtubules and thereby halting mitosis, and secondly by inhibiting Bcl2 and allowing apoptosis to proceed.

Images

ELISA - Anti-Taxol antibody (ab26953)

ELISA using ab26953 at varying antibody concentrations and antigen concentration at 400 ng/mL.

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