abcam

Product datasheet

Anti-Digoxigenin antibody ab76907

3 Abreviews 14 References

Overview

Product name	Anti-Digoxigenin antibody
Description	Goat polyclonal to Digoxigenin
Host species	Goat
Specificity	ab76907 reacts 100% with digoxigenin and digoxin, it does not cross-react with the carrier protein KLH or other steroids.
Tested applications	**Suitable for:** IHC-P, WB, ELISA
Species reactivity	**Reacts with:** Species independent
Immunogen	Chemical/ Small Molecule corresponding to Digoxigenin conjugated to keyhole limpet haemocyanin. Digoxigenin conjugated to KLH.
Positive control	Here are some suggestions: In IHC digoxigenin-labeled proteins: 1 µg/ml - 2 µg/ml. In WB digoxigenin-labeled proteins: 0.5 µg/ml – 2 µg/ml. In Situ hybridization: Digoxigenin-labeled nucleic acid 0.1 µg/ml - 0.8 µg/ml. The optimum dilution should be determined by the individual lab.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.87% Sodium chloride, 0.0268% PBS
Purity	Ion Exchange Chromatography
Purification notes	ab76907 is purified from immunized serum by ion exchange chromatography and immunoaffinity

	chromatography
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76907 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	★★★★☆ **(2)**	Use at an assay dependent concentration.
WB		1/1000 - 1/40000. Detects a band of approximately 150 kDa.
ELISA		1/100000 - 1/1e+006. Digoxigenin-BSA at 2-5 µg/ml, apply 50 µl/well in ELISA.

Target

Relevance Digoxigenin (DIG) is a steroid found exclusively in the flowers and leaves of the plants Digitalis purpurea and Digitalis lanata. Digoxigenin is chemically closely related to Digoxin, the cardiac glycoside used for the treatment of various heart diseases. The term 'genin' at the end of Digoxigenin, refers to only the aglycone portion (without the sugar) part of the molecule,thus Digoxigenin is the steroid component of Digoxin, - minus the (digitose) sugar residues. DIG can be covalently added to proteins or nucleic acids which makes it very useful in diverse applications.

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