

Anti-Digoxigenin antibody [21H8] ab420

51 References

Overview

Product name	Anti-Digoxigenin antibody [21H8]
Description	Mouse monoclonal [21H8] to Digoxigenin
Host species	Mouse
Specificity	Reacts with free and bound digoxigenin.
Tested applications	Suitable for: WB, ELISA, IHC-P, IHC-Fr, In situ hybridization, Southern Blot
Species reactivity	Reacts with: Species independent
Immunogen	Chemical/ Small Molecule corresponding to Digoxigenin.
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). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section.
Storage buffer	Constituents: 1.2114% Tris, 0.7507% Glycine, 2% Sucrose
Purity	Protein A purified
Clonality	Monoclonal
Clone number	21H8
Myeloma	unknown
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab420 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
WB		1/500 - 1/5000. ab419 can be used for the detection of a diverse range of digoxigenin labelled compounds and in a variety of techniques
ELISA		1/1000 - 1/10000.
IHC-P		1/200 - 1/2000.
IHC-Fr		1/200 - 1/2000.
In situ hybridization		Use at an assay dependent concentration.
Southern Blot		1/500 - 1/5000.

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.

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

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