

Anti-Digoxigenin Rabbit Recombinant



Oligoclonal Antibody – Purified

Catalog no. 710019

(See product label for lot information)

Clone/PAD: 9HCLC
Isotype: IgG
Qty: 100 µg
Volume: 200 µl
Concentration: 0.5 mg/mL

Formulation

PBS + 0.09% sodium azide

Application

For use in Western Blotting

Immunogen

Small molecule

Storage

2-8°C for up to 1 month, -20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

Digoxigenin (DIG), a steroid, derivative of the flowers and leaves of plants – *Digitalis*. Due to the high immunogenicity of this small molecule it is highly preferred in many molecular biology applications. DIG can be covalently added to proteins or nucleic acids which makes it very handy in its diverse applications. The digoxigenin markers are detected with anti-digoxigenin antibodies, which may be labeled with dyes or enzymes for visualization and detection (1,2).

References

- (1) Lin L, Li R, Mock R, Kinard G. (2010). Development of a polyprobe to detect six viroids of pome and stone fruit trees. *J Virol Methods*.
- (2) Tian F, Deguchi K, Yamashita T, Ohta Y, Morimoto N, Shang J, Zhang X, Liu N, Ikeda Y, Matsuura T, Abe K. (2010). In vivo imaging of autophagy in a mouse stroke model. *Autophagy*. 27;6(8).

Following applications had been tested during development. To make sure the consistency and reliability in the future lots, each lot is tested with antigen ELISA for specificity and potency. Each lot is also tested with SDS-PAGE, to ensure high purity.

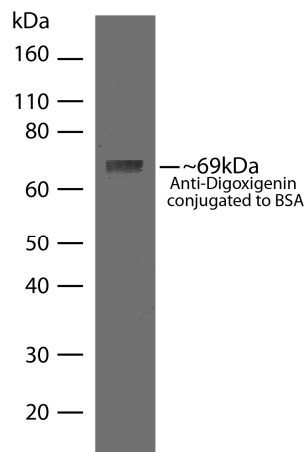
Applications:

	Test Material	Concentration
Western Blotting	Rec Anti-Digoxigenin conjugated to BSA	0.5-1 µg/ml

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Western Blot of Anti-Digoxigenin labeled with Anti-Digoxigenin Rabbit Recombinant Oligoclonal Antibody (Cat. No. 710019).

Anti-Digoxigenin Rabbit Recombinant Oligoclonal Antibody (1µg/ml) was used to label Anti-Digoxigenin in Rec Anti-Digoxigenin conjugated to BSA (1ng/lane). The western was performed using the WesternBreeze® kit with NBT/BCIP as the substrate (Cat.No.WB7105).

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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