

Digoxigenin ABfinity™ Recombinant Rabbit Monoclonal Antibody - Purified



Catalog no. 700772

(See product label for lot information)

Clone/PAD: 9H27L19
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

ε-(Digoxigenin-3-0-acetamido)caproic acid
N-hydroxysuccinimide ester (a plant
hapten) conjugated to BSA

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 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. *Journal of Virological 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).

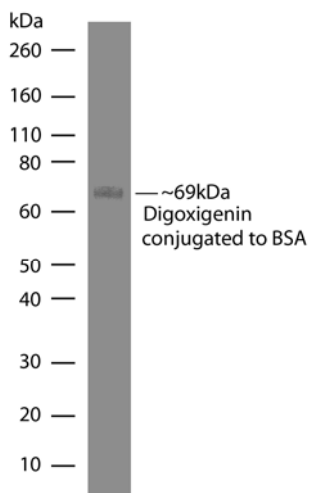
Applications:

	Test Material	Concentration
Western Blotting	Recombinant Digoxigenin conjugated to BSA	0.1–0.5 µg/mL

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Western Blot of Digoxigenin labeled with Digoxigenin Rabbit Recombinant Monoclonal Antibody (Cat. no. 700772).

Digoxigenin Rabbit Recombinant Monoclonal Antibody (0.1 µg/mL) was used to detect recombinant Digoxigenin conjugated to BSA (1 ng/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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