

Datasheet for ABIN285289 **anti-Dinitrophenol antibody**



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Overview

Quantity:	100 µL
Target:	Dinitrophenol (DNP)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dinitrophenol antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen: DNP antibody was raised in rabbit using dinitrophenol-BSA as the immunogen.

Target Details

Target:	Dinitrophenol (DNP)
Alternative Name:	DNP (DNP Products)
Target Type:	Chemical
Background:	<p>Tissues are continually exposed to reactive oxygen species (ROS) that are produced in tissues from metabolism processes or the inflammatory response of leukocytes or macrophages. These ROS can cause damage to various cellular components. Dinitrophenylhydrazine (DNPH) will react with free carbonyl groups on proteins, leading to adduction of the dinitrophenyl (DNP) group to the carbonyl group. Using an antibody to DNP, it is possible to visualize and localize the sites of oxidative damage by immunodetection of DNP adduction resulting from reaction of the tissue with DNPH.</p>

Application Details

Application Notes: ELISA: 1:32,000
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Neat serum with 0.1 % NaN₃.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.
