

Datasheet for ABIN285051

**anti-CAT antibody**[Go to Product page](#)**1** Publication

## Overview

Quantity:	500 µL
Target:	CAT
Reactivity:	Chemical
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAT antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	CAT antibody was raised in rabbit using chloramphenicol acetyl transferase (CAT) as the immunogen.
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## Target Details

Target:	CAT
Alternative Name:	Chloramphenicol Acetyl Transferase ( <a href="#">CAT Products</a> )
Target Type:	Chemical
Background:	Chloramphenicol acetyltransferase (or CAT) is a bacterial enzyme that detoxifies the antibiotic chloramphenicol and is responsible for chloramphenicol resistance in bacteria. This enzyme covalently attaches an acetyl group from acetyl-CoA to chloramphenicol, which prevents chloramphenicol from binding to ribosomes.

## Application Details

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Application Notes: ELISA: 1:500, WB: 1:500  
Optimal conditions should be determined by the investigator.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: IgG fraction supplied in PBS, pH 7.4, with 0.05 % NaN<sub>3</sub>.

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Preservative: Sodium azide

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

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

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Storage: 4 °C/-20 °C

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

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## Publications

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Product cited in: Nimmo, Barbrook, Lassadi, Chen, Geisler, Smith, Aranda, Purton, Waller, Nisbet, Howe: "Genetic transformation of the dinoflagellate chloroplast." in: **eLife**, Vol. 8, (2019) ([PubMed](#)).