

Datasheet for 100-401-463

## Chloramphenicol-Acetyl Transferase Antibody

### Overview

<b>Description:</b>	Anti-Chloramphenicol-Acetyl Transferase (CAT) (RABBIT) Antibody - 100-401-463
<b>Item No.:</b>	100-401-463
<b>Size:</b>	100 µL
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Cat
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	Chloramphenicol acetyltransferase enzyme is an effector of chloramphenicol resistance in bacteria.
<b>Synonyms:</b>	Rabbit Anti-Chloramphenicol-Acetyl Transferase Antibody, anti-CAT antibody, Rabbit Anti Chloramphenicol-Acetyl Transferase, rabbit anti CAT
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

### Target Details

<b>Reactivity:</b>	Cat
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	This antiserum was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near a 30-60 of bacterial chloramphenicol acetyl transferase (CAT). This antibody identifies recombinant CAT as a predominant band of 26 kDa in eukaryotic cells transfected with a plasmid bearing the CAT gene.

**Purity/Specificity:** This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified chloramphenicol acetyl transferase (CAT). Cross reactivity against chloramphenicol acetyl transferase from other tissues and species may occur but have not been specifically determined.

**Relevant Links:**

- [UniProtKB - P20074](#)

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Anti-Chloramphenicol-Acetyl Transferase Antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:5,000 - 1:25,000
<b>IHC:</b>	User Optimized
<b>WB:</b>	1:100 - 1:1,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	85 mg/mL by Refractometry
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	100 µL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

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## Disclaimer

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