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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 100-401-463

Chloramphenicol-Acetyl Transferase Antibody

Overview

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

Product Details

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

Target Details

Gene Name:	cat
Immunogen Type:	Conjugated Peptide
Immunogen:	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

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

Formulation

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

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.