

Datasheet for 600-401-J37**KAT II Antibody****Overview**

Description:	Anti-KAT II (RABBIT) Antibody - 600-401-J37
Item No.:	600-401-J37
Size:	100 µg
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	Kynurenine aminotransferase II (KATII) is the major enzyme responsible for the synthesis of the endogenous neuroprotectant kynurenic acid in the brain. Anti-KAT II antibody is ideal for researchers interested in Metabolism and Signal Transduction research.
Synonyms:	rabbit anti-Kat II antibody, Kat-II, Kat2, Kat 2, Aadat, Kynurenine/alpha-aminoadipate aminotransferase, KAT/AadAT, 2-aminoadipate aminotransferase, 2-aminoadipate transaminase, Alpha-aminoadipate aminotransferase, Kynurenine aminotransferase II, Kynurenine-oxoglutarate aminotransferase II, Kynurenine-oxoglutarate transaminase 2, Kynurenine-oxoglutarate transaminase II
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Aadat
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	KAT II affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of mouse KAT II.

Purity/Specificity:	Anti-KAT II was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, rat, and mouse based on 100% sequence homology. Cross-reactivity with KAT II from other sources has not been determined.
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Relevant Links:	UniProtKB - Q8N5Z0
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Application Details

Application Note:	Anti-KAT II antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~49kDa corresponding to the appropriate cell lysate or extract.
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Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
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ELISA:	1: 10,000
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WB:	1ug/ml
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Formulation

Physical State:	Liquid (sterile filtered)
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Concentration:	1.02mg/mL by UV absorbance at 280 nm
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Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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Stabilizer:	50% (v/v) Glycerol with 1 mg/ml Bovine Serum Albumin (BSA)
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Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.
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Expiration:	Expiration date is one (1) year from date of receipt.
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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.