

CAT-1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_003036.1

Catalog No. A304-398A

GeneID 6541

Lot No. A304-398A-1



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA

PRODUCTION PROCEDURES Antibody was affinity purified using an epitope specific to CAT-1 immobilized on solid support.

The epitope recognized by A304-398A maps to a region between residue 600 to 650 of human High Affinity Cationic Amino Acid Transporter 1 using the numbering given in entry NP_003036.1 (GeneID 6541).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation 2 - 10 µg/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

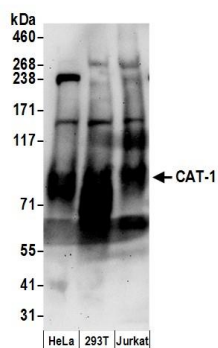
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO <https://www.bethyl.com/product/A304-398A>

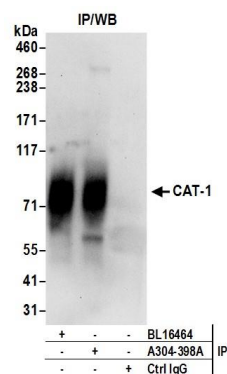
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human CAT-1 by western blot. *Samples:* Whole cell lysate (50 µg) prepared using RIPA buffer from HeLa, HEK293T, and Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CAT-1 antibody A304-398A (lot A304-398A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human CAT-1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using RIPA buffer from Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CAT-1 antibody A304-398A (lot A304-398A-1) used for IP at 6 µg per reaction. CAT-1 was also immunoprecipitated by rabbit anti-CAT-1 antibody BL16464. For blotting immunoprecipitated CAT-1, A304-398A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.