Calpastatin/CAST Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P20810

Catalog No. A304-794A GeneID 831

Lot No. A304-794A-1

APPLICATIONS WB, IP

SPECIES REACTIVITY Human

AMOUNT 100 μl

 $\begin{array}{ccc} \textbf{CONCENTRATION} & 1000 \; \mu\text{g/ml} \end{array}$

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 Antibody was affinity purified using an epitope specific to Calpastatin/CAST immobilized on

PROCEDURES solid support.

The epitope recognized by A304-794A maps to a region between residue 658 to 708 of human

Calpastatin using the numbering given in entry P20810 (GeneID 831).

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/A304-794A

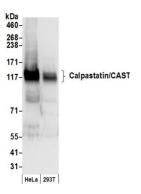
Use the link above to view SDS, a current list of citations, and other product specific information.

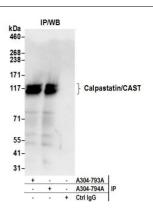
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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 Calpastatin/CAST by western blot. Samples: Whole cell lysate (50 μg) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Calpastatin/CAST antibody A304-794A (lot A304-794A-1) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

Detection of human Calpastatin/CAST by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Calpastatin/CAST antibody A304-794A (lot A304-794A-1) used for IP at 6 μg per reaction. Calpastatin/CAST was also immunoprecipitated by rabbit anti-Calpastatin/CAST antibody A304-793A. For blotting immunoprecipitated Calpastatin/CAST, A304-794A was used at 1 μg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.