

# Nicastrin Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_056146.1

Catalog No. A304-464A

GeneID 23385

Lot No. A304-464A-1



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

**PRODUCTION PROCEDURES** Antibody was affinity purified using an epitope specific to Nicastrin immobilized on solid support.

The epitope recognized by A304-464A maps to a region between residue 659 to 709 of human Nicastrin using the numbering given in entry NP\_056146.1 (GeneID 23385).

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 1:500 - 1:2,500

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).

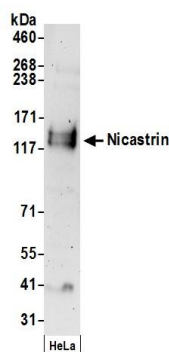
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A304-464A>

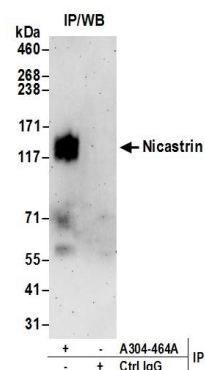
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](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 Nicastrin by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HeLa cells prepared using RIPA lysis buffer. *Antibodies:* Affinity purified rabbit anti-Nicastrin antibody A304-464A (lot A304-464A-1) used for WB at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human Nicastrin by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using RIPA lysis buffer. *Antibodies:* Affinity purified rabbit anti-Nicastrin antibody A304-464A (lot A304-464A-1) used for IP at 6  $\mu$ g per reaction. For blotting immunoprecipitated Nicastrin, A304-464A was used at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.