

# ASCT2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_005619.1
Catalog No. A304-353A	Uniprot ID	Q15758
Lot No. A304-353A-2	GeneID	6510

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<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
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to ASCT2 immobilized on solid support.

The epitope recognized by A304-353A maps to a region between residue 450 to 500 of human Sodium-Dependent Neutral Amino Acid Transporter Type 2 using the numbering given in entry NP\_005619.1 (GeneID 6510).

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.

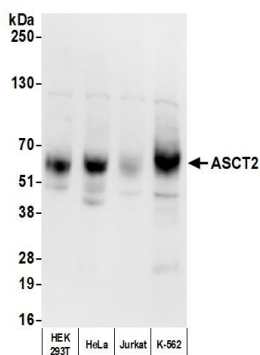
Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

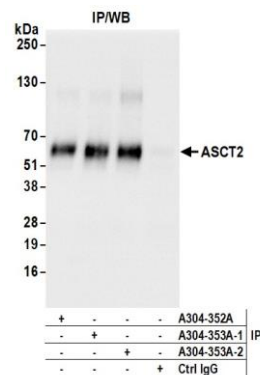
**ADDITIONAL INFO** <https://www.fortislife.com/p/A304-353A>

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

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: November 15, 2022



**Detection of human ASCT2 by western blot.** *Samples:* Whole cell lysate (10  $\mu$ g) from HEK293T, HeLa, Jurkat, and K-562 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-ASCT2 antibody (A304-353A lot 2) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human ASCT2 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-ASCT2 antibody (A304-353A lot 2) used for IP at 6  $\mu$ g per reaction. ASCT2 was also immunoprecipitated by a previous lot of this antibody (A304-353A lot 1) and a second antibody against a different epitope of ASCT2 (A304-352A). For blotting immunoprecipitated ASCT2, A304-353A was used at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.