

AE2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001186621.1

Catalog No. A304-503A

GeneID 6522

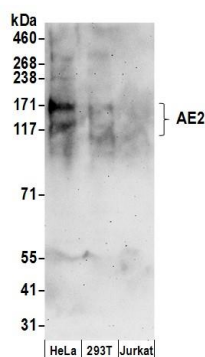
Lot No. A304-503A-1



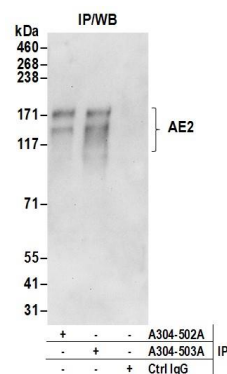
APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Horse and Orangutan						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
PHYSICAL 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 AE2 immobilized on solid support. The epitope recognized by A304-503A maps to a region between residue 275 to 325 of human Anion Exchange Protein 2 using the numbering given in entry NP_001186621.1 (GeneID 6522). 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. <table><tr><td>Western Blot</td><td>1:2,000 – 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>2 – 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:2,000 – 1:10,000	Immunoprecipitation	2 – 10 µg/mg lysate	Immunohistochemistry	1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
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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.						
IHC HUMAN CONTROLS	Ovarian Carcinoma						
ADDITIONAL INFO	https://www.bethyl.com/product/A304-503A 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

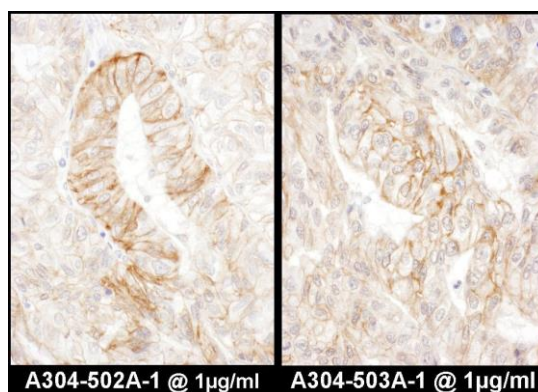
Date: June 21, 2019



Detection of human AE2 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using RIPA lysis buffer. *Antibodies:* Affinity purified rabbit anti-AE2 antibody A304-503A (lot A304-503A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human AE2 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 RIPA lysis buffer. *Antibodies:* Affinity purified rabbit anti-AE2 antibody A304-503A (lot A304-503A-1) used for IP at 6 µg per reaction. AE2 was also immunoprecipitated by rabbit anti-AE2 antibody A304-502A. For blotting immunoprecipitated AE2, A304-503A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human AE2 by immunohistochemistry.

Samples: FFPE serial sections of human ovarian carcinoma.

Antibody: Affinity purified rabbit anti-AE2 (Cat. No. A304-502A Lot1, left image and Cat. No. A304-503A Lot1, right image) used at a dilution of 1:1,000 (1 µg/ml).

Detection: DAB