

CROP/Luc7A Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_057508.2

Catalog No. A301-498A

GeneID 51747

Lot No. A301-498A-1



APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse, Bovine 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 CROP/Luc7A immobilized on solid support.

The epitope recognized by A301-498A maps to a region between residue 1 and 50 of human cisplatin resistance-associated overexpressed protein using the numbering given in entry NP_057508.2 (GeneID 51747).

Immunoglobulin 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 Not recommended. A301-498A has not performed satisfactorily when used for WB of CROP/Luc7A in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of CROP/Luc7A.

Immunoprecipitation 2 – 5 µg/mg lysate

Immunohistochemistry 1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

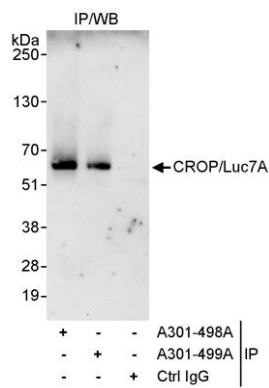
IHC HUMAN CONTROLS Breast Carcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Colon Carcinoma CT26

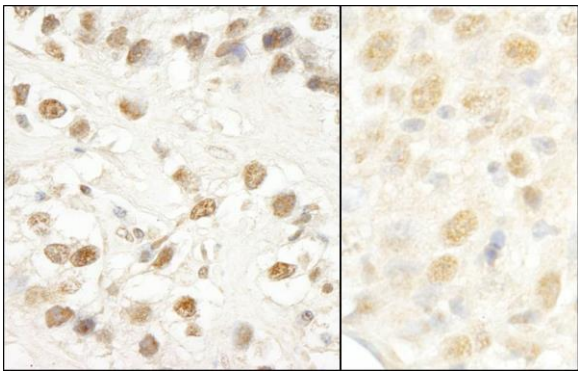
ADDITIONAL INFO <https://www.bethyl.com/product/A301-498A>

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 CROP/Luc7A by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-CROP/Luc7A antibody A301-498A used for IP at 3 µg/mg lysate. CROP/Luc7A was also immunoprecipitated by rabbit anti-CROP/Luc7A antibody A301-499A, which recognizes a downstream epitope. For blotting immunoprecipitated CROP/Luc7A, A301-498A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human and mouse CROP/Luc7A by immunohistochemistry. *Sample:* FFPE section of human testicular seminoma (left) and mouse colon carcinoma (right). *Antibody:* Affinity purified rabbit anti-CROP/Luc7A (Cat. No. A301-498A) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB