FUS Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P35637

Catalog No. A300–302A GeneID 2521

Lot No. A300-302A-4

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human. Mouse

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Bovine

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 FUS immobilized on solid support.

The epitope recognized by A300-302A maps to a region between residues 1 and 50 of human fusion (involved in t(12;16) in malignant liposarcoma) using the numbering given in SwissProt

entry P35637 (GeneID 2521).

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 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.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100-020),

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).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Skin Squamous

Cell Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Squamous Cell Carcinoma

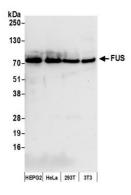
ADDITIONAL INFO https://www.bethyl.com/product/A300-302A

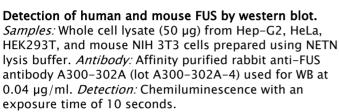
Use the link above to view SDS, a current list of citations, and other product specific information.

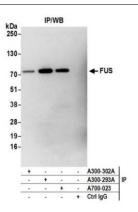
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

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

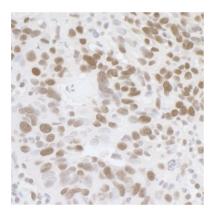
FUS Antibody A300-302A



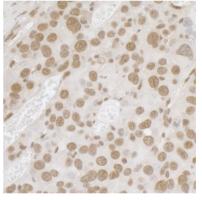




Detection of human FUS by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FUS antibody A300–302A (lot A300–293A–4) used for IP at 3 μg per reaction. FUS was also immunoprecipitated by rabbit anti-FUS recombinant monoclonal antibody [BLR023E] (A700–023) and rabbit anti-FUS antibody A300–293A. For blotting immunoprecipitated FUS, A700–023 was used at 1:1000. Detection: Chemiluminescence with an exposure time time of 3 minutes.



Detection of human FUS by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-FUS (Cat. No. A300-302A Lot4) used at a dilution of 1:1,000 (1µg/ml). Detection: DAB



Detection of mouse FUS by immunohistochemistry. *Sample:* FFPE section of mouse renal cells carcinoma. *Antibody:* Affinity purified rabbit anti-FUS (Cat. No. A300-302A Lot4) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB