## **FUS Antibody**

Goat Polyclonal

Antigen Affinity Purified Protein ID P35637

Catalog No. A303–839A GeneID 2521

Lot No. A303-839A-2

**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

 $\textbf{CONCENTRATION} \qquad \quad 1000 \; \mu \text{g/ml}$ 

**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 A303-839A maps to a region between residue 1 and 50 of human Fusion (involved in t(12;16) in malignant liposarcoma) using the numbering given in entry

P35637 (GenelD 2521).

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

Immunohistochemistry 1:500 to 1:2,000. Epitope retrieval with citrate buffer pH6.0 is

recommended for FFPE tissue sections.

**APPLICATION NOTES** 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, Stomach

Adenocarcinoma, Testicular Seminoma

ADDITIONAL INFO https://www.bethyl.com/product/A303-839A

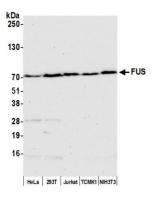
Use the link above to view SDS, a current list of citations, and other product specific information.

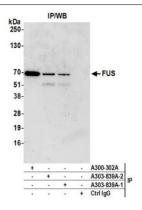
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: February 7, 2020



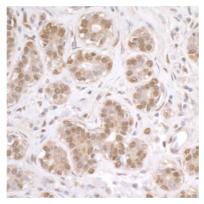
FUS Antibody A303-839A





Detection of human and mouse FUS by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HeLa, HEK293T, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-FUS antibody A303-839A (A303-839A Lot 2) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human FUS by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified goat anti–FUS antibody A303–839A (A303–839A Lot 2) used for IP at 6 μg per reaction. FUS was also immunoprecipitated by a previous lot of this antibody (lot A303–839A–1) and rabbit anti–FUS antibody A300–302A. For blotting immunoprecipitated FUS, A303–839A–2 was used at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



Detection of human FUS by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified goat anti-FUS (Cat. No. A303-839A lot 2) used at a dilution of 1:1,000 (1µg/ml). Detection: DAB