

ZGPAT (F-15): sc-86032

BACKGROUND

ZGPAT (Zinc finger CCCH-type with G patch domain-containing protein), also known as zinc finger CCCH domain-containing protein 9 (ZC3HDC9) and G patch domain-containing protein 6 (GPATC6), is a 531 amino acid protein that contains a G-patch domain, which is typically found within RNA-binding proteins. Proteins that contain the G-patch domain include some tumor suppressor and DNA-damage repair proteins. ZGPAT also contains one C3H1-type zinc finger, which further supports its probable role as an RNA-binding protein. The gene encoding ZGPAT is inactivated via differential methylation in an oligodendroglioma cell line, suggesting that ZGPAT may have utility as a biomarker. There are two isoforms of ZGPAT that are produced as a result of alternative splicing events.

CHROMOSOMAL LOCATION

Genetic locus: ZGPAT (human) mapping to 20q13.33; Zgpat (mouse) mapping to 2 H4.

SOURCE

ZGPAT (F-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZGPAT of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86032 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-86032 X, 100 µg/0.1 ml.

APPLICATIONS

ZGPAT (F-15) is recommended for detection of ZGPAT of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ZGPAT (F-15) is also recommended for detection of ZGPAT in additional species, including porcine.

Suitable for use as control antibody for ZGPAT siRNA (h): sc-76959, ZGPAT siRNA (m): sc-155608, ZGPAT shRNA Plasmid (h): sc-76959-SH, ZGPAT shRNA Plasmid (m): sc-155608-SH, ZGPAT shRNA (h) Lentiviral Particles: sc-76959-V and ZGPAT shRNA (m) Lentiviral Particles: sc-155608-V.

ZGPAT (F-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

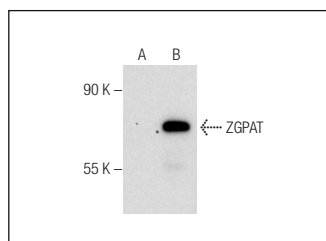
Molecular Weight of ZGPAT: 57 kDa.

Positive Controls: ZGPAT (m): 293T Lysate: sc-127817 or ZGPAT (h): 293T Lysate: sc-371408.

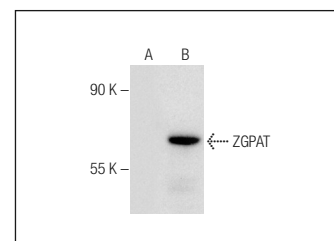
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



ZGPAT (F-15): sc-86032. Western blot analysis of ZGPAT expression in non-transfected: sc-117752 (A) and mouse ZGPAT transfected: sc-127817 (B) 293T whole cell lysates.



ZGPAT (F-15): sc-86032. Western blot analysis of ZGPAT expression in non-transfected: sc-117752 (A) and human ZGPAT transfected: sc-371408 (B) 293T whole cell lysates.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **ZGPAT (B-3): sc-515524**, our highly recommended monoclonal alternative to ZGPAT (F-15).