

WBP1 (P-13): sc-162394

BACKGROUND

WW domain-binding protein 1 (WBP1) is a 269 amino acid protein expressed in most tissues. The WW domain is composed of 38 to 40 semiconserved amino acids and is shared by various groups of proteins, including structural, regulatory and signaling proteins. The domain mediates protein-protein interactions through the binding of polyproline ligands. WBP1 binds to the WW domain of yes-associated protein (YAP), WW domain containing E3 ubiquitin protein ligase 1 (AIP5) and WW domain containing E3 ubiquitin protein ligase 2 (AIP2). It also interacts, primarily, with neural precursor cell expressed, developmentally downregulated 4 (NEDD4) and WW domain containing oxidoreductase (WWOX).

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CHROMOSOMAL LOCATION

Genetic locus: WBP1 (human) mapping to 2p13.1; Wbp1 (mouse) mapping to 6 C3.

SOURCE

WBP1 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of WBP1 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-162394 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WBP1 (P-13) is recommended for detection of WBP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with WBP2 or WBP5.

WBP1 (P-13) is also recommended for detection of WBP1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WBP1 siRNA (h): sc-94432, WBP1 siRNA (m): sc-155242, WBP1 shRNA Plasmid (h): sc-94432-SH, WBP1 shRNA Plasmid (m): sc-155242-SH, WBP1 shRNA (h) Lentiviral Particles: sc-94432-V and WBP1 shRNA (m) Lentiviral Particles: sc-155242-V.

Molecular Weight of WBP1: 29 kDa.

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) 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.

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.