

WBP2 (S-16): sc-160906

BACKGROUND

WW domain-binding protein 2 (WBP2) is a 261 amino acid protein expressed in most tissues. The WW domain is composed of 38 to 40 semi-conserved 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. WBP2 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). The gene encoding WBP2 is located on human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes, some of which are involved in tumor suppression and in the pathogenesis of Li-Fraumeni syndrome, early onset breast cancer and a predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

CHROMOSOMAL LOCATION

Genetic locus: WBP2 (human) mapping to 17q25.1; Wbp2 (mouse) mapping to 11 E2.

SOURCE

WBP2 (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of WBP2 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-160906 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

WBP2 (S-16) is recommended for detection of WBP2 of mouse, rat 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); non cross-reactive with WBP1 or WBP5.

WBP2 (S-16) is also recommended for detection of WBP2 in additional species, including equine, canine and avian.

Suitable for use as control antibody for WBP2 siRNA (h): sc-93955, WBP2 siRNA (m): sc-155243, WBP2 shRNA Plasmid (h): sc-93955-SH, WBP2 shRNA Plasmid (m): sc-155243-SH, WBP2 shRNA (h) Lentiviral Particles: sc-93955-V and WBP2 shRNA (m) Lentiviral Particles: sc-155243-V.

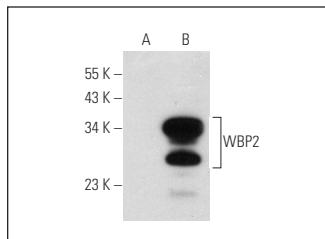
Molecular Weight of WBP2: 28 kDa.

Positive Controls: WBP2 (h): 293 Lysate: sc-111002, HeLa whole cell lysate: sc-2200 or mouse brain extract: sc-2253.

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



WBP2 (S-16): sc-160906. Western blot analysis of WBP2 expression in non-transfected: sc-110760 (A) and human WBP2 transfected: sc-111002 (B) 293 whole cell lysates.

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 **WBP2 (D-12): sc-514247** or **WBP2 (C-6): sc-514246**, our highly recommended monoclonal alternatives to WBP2 (S-16).