

WBP2 (N-14): sc-160905

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.

REFERENCES

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CHROMOSOMAL LOCATION

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

SOURCE

WBP2 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of WBP2 of human origin.

STORAGE

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

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-160905 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WBP2 (N-14) 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.

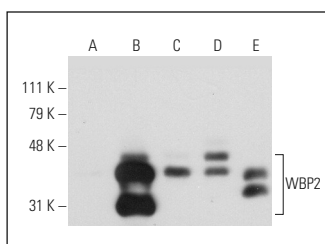
WBP2 (N-14) is also recommended for detection of WBP2 in additional species, including equine and canine.

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.

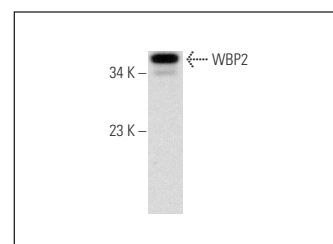
Molecular Weight of WBP2: 28 kDa.

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

DATA



WBP2 (N-14): sc-160905. Western blot analysis of WBP2 expression in non-transfected 293: sc-110760 (A), human WBP2 transfected 293: sc-111002 (B), HeLa (C) and SK-MEL-24 (D) whole cell lysates and mouse brain tissue extract (E).



WBP2 (N-14): sc-160905. Western blot analysis of WBP2 expression in SK-MEL-28 whole cell lysate.

RESEARCH USE

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

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Try **WBP2 (D-12): sc-514247** or **WBP2 (C-6): sc-514246**, our highly recommended monoclonal alternatives to WBP2 (N-14).