**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 (AIP1) 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**


**CHROMOSOMAL LOCATION**

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

**SOURCE**

WBP2 (D-12) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 129-150 within an internal region of WBP2 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 lambda light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

WBP2 (D-12) is available conjugated to agarose (sc-514247 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-514247 HRP), 200 µg/ml, for WB, HRP and ELISA; to either phycocyanin (sc-51427 PE), fluorescein (sc-51427 FITC), Alexa Fluor® 488 (sc-51427 AF488), Alexa Fluor® 546 (sc-51427 AF546), Alexa Fluor® 594 (sc-51427 AF594) or Alexa Fluor® 647 (sc-51427 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-51427 AF680) or Alexa Fluor® 790 (sc-51427 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Blocking peptide available for competition studies, sc-514247 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

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**APPLICATIONS**

WBP2 (D-12) is recommended for detection of WBP2 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).


Molecular Weight of WBP2: 28 kDa.

Positive Controls: WBP2 (h): 293 Lysate: sc-111002.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG, BP-HRP: sc-516132 or m-IgG, BP-HRP (Cruz Marker); sc-516132-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

**DATA**

**SELECT PRODUCT CITATIONS**


**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.