

Store at
-20°C
#11831

WBP2 Antibody

www.cellsignal.com

100 µl (10 western blots)

Support: 877-678-TECH (8324)
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Orders: 877-616-CELL (2355)
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Entrez-Gene ID #23558
UniProt ID #Q969T9

rev. 06/18/14

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications
W
Endogenous

Species Cross-Reactivity*
H, M, R, Mk

Molecular Wt.
32 kDa

Isotype
Rabbit**

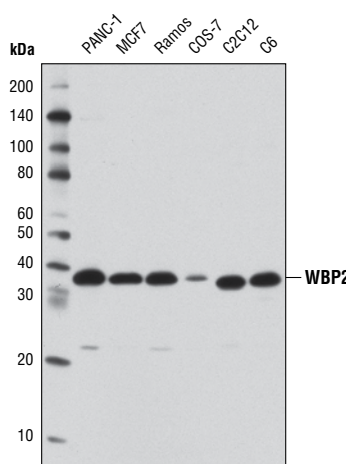
Background: WW-domain binding protein 2 (WBP2) is an adaptor protein first identified in a screen for proteins that interact with YAP1 (1). WBP2 was subsequently shown to bind other WW domain-containing proteins, including TAZ and NEDD4-like ubiquitin-protein ligases (2-5). There is strong evidence for a conserved functional role for WBP2 in the Hippo kinase tumor suppressor pathway. WBP2 interaction is required for the oncogenic properties of TAZ in breast cancer cells (4) and the growth-promoting properties of the YAP homolog Yorkie in *Drosophila* (6). *In vitro* studies have also suggested that WBP2 may act as a transcriptional co-activator of both estrogen and progesterone receptors (7); this interaction was shown to be dependent upon tyrosine phosphorylation of WBP2 by c-Src and c-Yes kinases (8).

Specificity/Sensitivity: WBP2 Antibody recognizes endogenous levels of total WBP2 protein.

Source/Purification: Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asn239 of human WBP2 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background References:

- (1) Chen, H.I. and Sudol, M. (1995) *Proc Natl Acad Sci USA* 92, 7819-23.
- (2) Chen, H.I. et al. (1997) *J Biol Chem* 272, 17070-7.
- (3) McDonald, C.B. et al. (2011) *Biochemistry* 50, 9616-27.
- (4) Chan, S.W. et al. (2011) *Oncogene* 30, 600-10.
- (5) Jolliffe, C.N. et al. (2000) *Biochem J* 351 Pt 3, 557-65.
- (6) Zhang, X. et al. (2011) *Cell Death Differ* 18, 1346-55.
- (7) Dhananjayan, S.C. et al. (2006) *Mol Endocrinol* 20, 2343-54.
- (8) Lim, S.K. et al. (2011) *FASEB J* 25, 3004-18.



Western blot analysis of extracts from various cell lines using WBP2 Antibody.

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting 1:1000

Tween® is a registered trademark of ICI Americas, Inc.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.