

WBP2 Antibody

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Mk	Endogenous	32	Rabbit	#Q969T9	23558

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

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.

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

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).

Background References

1. Chen, H.I. and Sudol, M. (1995) *Proc Natl Acad Sci U S A* 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.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

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

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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