

## Anti-WWOX Antibody

### ORDERING INFORMATION

**Catalog No.:** 34016

**Size:** 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

### BACKGROUND

WW domain-containing oxidoreductase, WWOX, also known as WOX1 or FOR, is a proapoptotic protein expressed by a tumor suppressor gene. Because mutation or deletion in the coding region of WWOX is rarely found, it is speculated that the appearance of aberrant transcripts affects progression of many cancers. In addition, protein levels of WWOX, its Tyr33-phosphorylated form, and WOX2 are significantly down-regulated in the neurons of Alzheimer's hippocampi.

### SPECIFICATION SUMMARY

**Immunogen:** Synthetic peptide corresponding to amino acids 89-107 (RLAFTVDDNPTKPTTRQRY) of human WWOX conjugated to KLH at the C-terminus.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY

This antibody recognizes human and mouse WWOX. Sequence identity to chimpanzee and orangutan WWOX is 100%.

### APPLICATIONS

*Immunoblotting* : use at 1:5,000 dilution. A band of approximately 46 kDa is detected.

Positive control: MCF-7 human breast cancer cell lysate or murine fibroblast L929 cell lysate.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

### BACKGROUND REFERENCES

Chang, N.S et al. Oncogene (2005) 24: 714-723.

Aqeilan, R.I. et al. Cancer Res (2004) 64: 8256-8261.

Sze, C.I. et al. J Biol Chem (2004) 279: 30498-30506.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*