

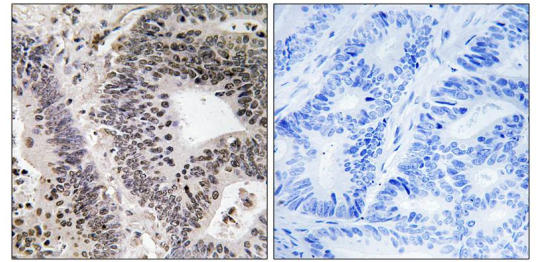
AP55797PU-S**Polyclonal Antibody to WWOX pTyr33 - Aff - Purified**

Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 2 WW domains and a short-chain dehydrogenase/reductase domain (SRD). The highest normal expression of this gene is detected in hormonally regulated tissues such as testis, ovary, and prostate. This expression pattern and the presence of an SRD domain suggest a role for this gene in steroid metabolism.
Uniprot ID:	Q96KM3
GenelD:	51741
Host:	Rabbit
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 33 (W-V-Y(p)-Y-A) derived from Human WWOX (KLH-conjugated)
Format:	State: Liquid Ig fraction Purification: Affinity chromatography using epitope-specific peptide Buffer System: Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Applications:	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	55 kDa
Specificity:	The antibody detects endogenous levels of WWOX only when phosphorylated at tyrosine 33.
Species Reactivity:	Tested: Human, Mouse
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bednarek AK, Laflin KJ, Daniel RL, Liao Q, Hawkins KA, Aldaz CM. WWOX, a novel WW domain-containing protein mapping to human chromosome 16q23.3-24.1, a region frequently affected in breast cancer. <i>Cancer Res.</i> 2000 Apr 15;60(8):2140-5. PubMed PMID: 10786676. 2. Ried K, Finnis M, Hobson L, Mangelsdorf M, Dayan S, Nancarrow JK, et al. Common chromosomal fragile site FRA16D sequence: identification of the FOR gene spanning FRA16D and homozygous deletions and translocation breakpoints in cancer cells. <i>Hum Mol Genet.</i> 2000 Jul 1;9(11):1651-63. PubMed PMID: 10861292. 3. Bednarek AK, Keck-Waggoner CL, Daniel RL, Laflin KJ, Bergsagel PL, Kiguchi K, et al. WWOX, the FRA16D gene, behaves as a suppressor of tumor growth. <i>Cancer Res.</i> 2001

Nov 15;61(22):8068-73. PubMed PMID: 11719429.

Pictures:

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using WWOX (Phospho-Tyr33) antibody AP55797PU-N (left) or the same antibody preincubated with blocking peptide (right).



Western blot analysis of extracts from HepG2 cells treated with PMA using WWOX (Phospho-Tyr33) Antibody AP55797PU-N. The lane on the right is treated with the antigen-specific peptide.

