

WWOX (phospho Tyr33) Polyclonal Antibody

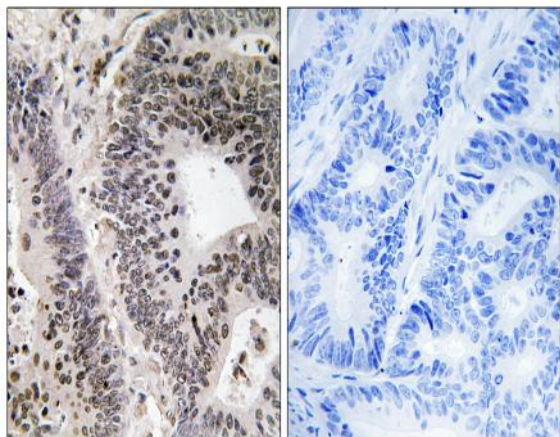
| | |
|------------------------------|---|
| Catalog No : | YP0811 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC;IF;ELISA |
| Target : | WWOX |
| Gene Name : | WWOX |
| Protein Name : | WW domain-containing oxidoreductase |
| Human Gene Id : | 51741 |
| Human Swiss Prot No : | Q96KM3 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human WWOX around the phosphorylation site of Tyr33. AA range:18-67 |
| Specificity : | Phospho-WWOX (Y33) Polyclonal Antibody detects endogenous levels of WWOX protein only when phosphorylated at Y33. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 55kD |
| Background : | disease:Defects in WWOX may be involved in esophageal squamous cell |

carcinoma (ESCC) [MIM:133239].,disease:Defects in WWOX may be involved in several cancer types. The gene spans the second most common chromosomal fragile site (FRA16D) which is frequently altered in cancers. Alteration of the expression and expression of some isoforms is associated with cancers. However, it is still unclear if alteration of WWOX is directly implicated in cancerogenesis or if it corresponds to a secondary effect.,domain:The WW 1 domain mediates interaction with TP53, and probably TP73, TFAP2C, LITAF and WBP1.,function:Probable oxidoreductase, which acts as a tumor suppressor and plays a role in apoptosis. May function synergistically with TP53/p53 to control genotoxic stress-induced cell death. May also play a role in tumor necrosis factor (TNF)-mediated cell death.,PTM:Phosphorylated upon genotoxic stress. Phosphorylation of Tyr-33 regulates interaction with TP53, TP73 and MAPK8. May also regulate proapoptotic activity.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,similarity:Contains 2 WW domains.,subcellular location:Partially localizes to the mitochondria. Translocates to the nucleus upon genotoxic stress or TNF stimulation (By similarity). Isoform 5 and isoform 6 may localize in the nucleus.,subunit:Interacts with TP53, TP73/p73 and MAPK8. Interacts with MAPT/TAU (By similarity). Forms a ternary complex with TP53 and MDM2. Interacts with ERBB4, LITAF and WBP1. May interact with COTE1/C1orf2 and SCOTIN.,tissue specificity:Widely expressed. Strongly expressed in testis, prostate, and ovary. Overexpressed in cancer cell lines. Isoform 5 and isoform 6 may only be expressed in tumor cell lines.,

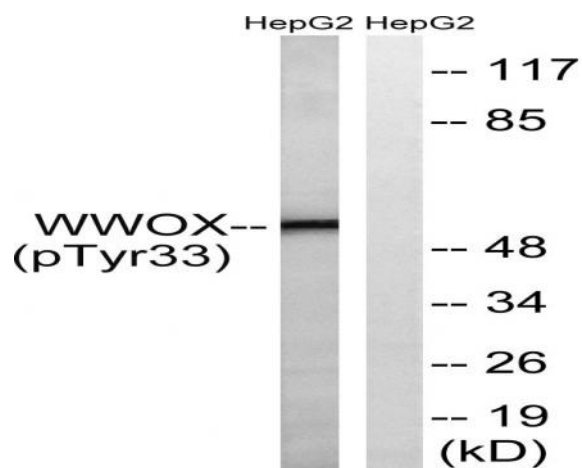
Function :

disease:Defects in WWOX may be involved in esophageal squamous cell carcinoma (ESCC) [MIM:133239].,disease:Defects in WWOX may be involved in several cancer types. The gene spans the second most common chromosomal fragile site (FRA16D) which is frequently altered in cancers. Alteration of the expression and expression of some isoforms is associated with cancers. However, it is still unclear if alteration of WWOX is directly implicated in cancerogenesis or if it corresponds to a secondary effect.,domain:The WW 1 domain mediates interaction with TP53, and probably TP73, TFAP2C, LITAF and WBP1.,function:Probable oxidoreductase, which acts as a tumor suppressor and plays a role in apoptosis. May function synergistically with TP53/p53 to control genotoxic stress-induced cell death. May also play a role in tumor necrosis factor (TNF)-mediated cell death.,PTM:Phosphorylated upon genotoxic stress

Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using WWOX (Phospho-Tyr33) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with PMA 125ng/ml 30', using WWOX (Phospho-Tyr33) Antibody. The lane on the right is blocked with the phospho peptide.