



WWOX rabbit pAb

Cat No.:ES6562

For research use only

Overview

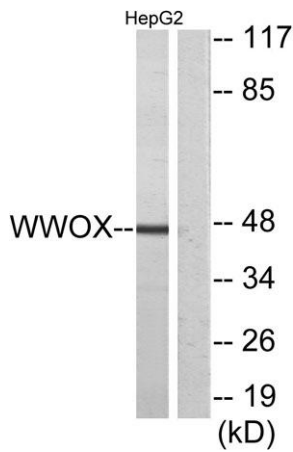
Product Name	WWOX rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human WWOX. AA range:1-50
Specificity	WWOX Polyclonal Antibody detects endogenous levels of WWOX protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	WW domain-containing oxidoreductase
Gene Name	WWOX
Cellular localization	Cytoplasm . Nucleus . Mitochondrion . Golgi apparatus . Partially localizes to the mitochondria (PubMed:14695174). Translocates to the nucleus upon genotoxic stress or TNF stimulation (By similarity). Translocates to the nucleus in response to TGFB1 (PubM
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	47kD
Human Gene ID	51741
Human Swiss-Prot Number	Q9NZC7
Alternative Names	WWOX; FOR; WOX1; WW domain-containing oxidoreductase; Fragile site FRA16D oxidoreductase



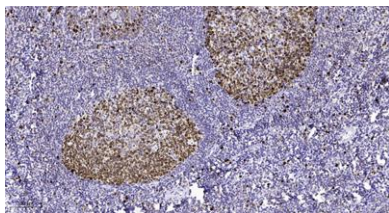


Background

WWOX (WW domain containing oxidoreductase) encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. WWOX spans the FRA16D common chromosomal fragile site and appears to function as a tumor suppressor gene. Expression of the encoded protein is able to induce apoptosis, while defects in this gene are associated with multiple types of cancer. Disruption of WWOX is also associated with autosomal recessive spinocerebellar ataxia 12. Disruption of a similar gene in mouse results in impaired steroidogenesis, additionally suggesting a metabolic function for the protein. Alternative splicing results in multiple transcript variants.



Western blot analysis of lysates from HepG2 cells, using WWOX Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

