Product Name: WWOX Rabbit Polyclonal Antibody
Catalog #: APRab19940

Summary

Production Name	WWOX Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	WWOX
Alternative Names	WWOX; FOR; WOX1; WW domain-containing oxidoreductase; Fragile site FRA16D oxidoreductase
Gene ID	51741.0
SwissProt ID	Q9NZC7. The antiserum was produced against synthesized peptide derived from human WWOX. AA range:1-50

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.
Molecular Weight	47kDa

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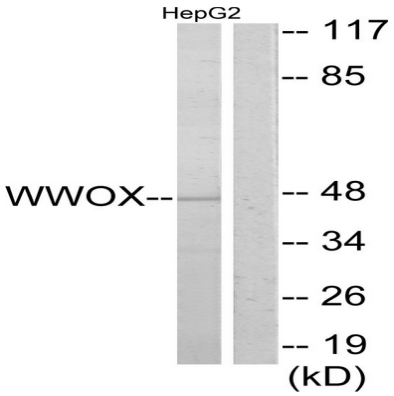
Background

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. skeletal system development, ossification, osteoblast differentiation, induction of apoptosis, steroid metabolic process, negative regulation of signal transduction, negative regulation of cell communication, regulation of cell death,positive regulation of cell death, induction of programmed cell death, regulation of Wnt receptor signaling pathway,negative regulation of Wnt receptor signaling pathway, regulation of apoptosis, positive regulation of apoptosis,regulation of programmed cell death, positive regulation of programmed cell death, skeletal system morphogenesis,oxidation reduction, bone development,

Research Area

Image Data



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

Note

For research use only.