Rabbit anti-Human, Mouse WWOX Polyclonal Antibody | anti-WWOX antibody

WWOX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324318	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

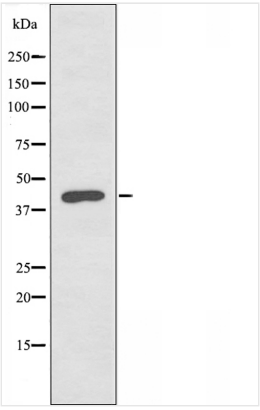
PRODUCT SYNONYMS

WWOX; Polyclonal Antibody; WWOX Antibody; 5330426P09Rik; 9030416C10Rik; Aberrant WW domain-containing oxidoreductase; D16S432E; EC 1.1.1.-; EIEE28; FOR; FRA16D; Fragile site FRA16D oxidoreductase; Fragile site FRA16D Oxireductase; HHCMA56; MGC55975; PRO0128; Putative oxidoreductase; SCAR12; SDR41C1; Short chain dehydrogenase/reductase family 41C; member 1; WOX1; WW domain containing oxidoreductase; WW domain-containing oxidoreductase; WW domain-containing protein WWOX; wwox; WWOX_HUMAN; zgc:55975; anti-WWOX antibody

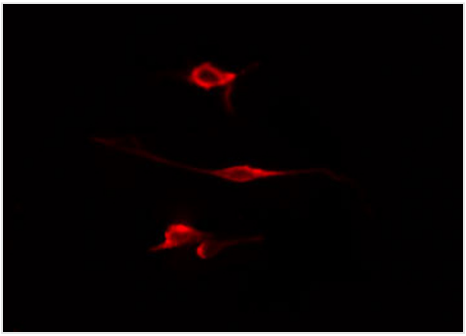
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	WWOX antibody detects endogenous levels of total WWOX
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	301
Applicable Applications for anti-WWOX antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Mitochondrion. Golgi Apparatus. Partially localizes to the mitochondria. Translocates to the nucleus upon genotoxic stress or TNF stimulation (By similarity). Translocates to the nucleus in response to TGFB1. Isoform 5 and isoform 6 may localize in the nucleus.
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.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using WWOX antibody.



IF (Immunofluorescence)
AAA324318 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-WWOX antibody	Function: Putative oxidoreductase. Acts as a tumor suppressor and plays a role in apoptosis. Required for normal bone development (By similarity). May function synergistically with p53/TP53 to control genotoxic stress-induced cell death. Plays a role in TGFB1 signaling and TGFB1-mediated cell death. May also play a role in tumor necrosis factor (TNF)-mediated cell death. Inhibits Wnt signaling, probably by sequestering DVL2 in the cytoplasm. Subunit Structure: Interacts with TP53, p73/TP73 and MAPK8. Interacts with MAPT/TAU, RUNX2 and HYAL2 (By similarity). Forms a ternary complex with TP53 and MDM2. Interacts with ERBB4, LITAF and WBP1. Interacts with DVL1, DVL2 and DVL3. May interact with FAM189B and SCOTIN. Interacts with TNK2. Interacts with TMEM207. Post-translational Modifications: Phosphorylated upon genotoxic stress. Phosphorylation of Tyr-33 regulates interaction with TP53, TP73 and MAPK8. May also regulate proapoptotic activity. Phosphorylation by TNK2 is associated with polyubiquitination and degradation. Ubiquitinated when phosphorylated by TNK2, leading to its degradation. Similarity: The WW 1 domain mediates interaction with TP53, and probably TP73, TFAP2C, LITAF and WBP1. Belongs to the short-chain dehydrogenases/reductases (SDR) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	635172870
NCBI GeneID	51741
NCBI Accession #	NP_001278926.1
NCBI GenBank Nucleotide #	NM_001291997.1
UniProt Accession #	Q9NZC7; Q5MYT5; Q96KM3; Q96RF2; Q9BTT8; Q9NPC9; Q9NRF4; Q9NRF5; Q9NRF6; Q9NRK1; Q9NZC5; A8K323
Molecular Weight	Observed: 47 kD Predicted: 47 kDa
NCBI Official Full Name	WW domain-containing oxidoreductase isoform 4
NCBI Official Synonym Full Names	WW domain containing oxidoreductase
NCBI Official Symbol	WWOX
NCBI Official Synonym Symbols	FOR; WOX1; EIEE28; FRA16D; SCAR12; HHCMA56; PRO0128; SDR41C1; D16S432E
NCBI Protein Information	WW domain-containing oxidoreductase
UniProt Protein Name	WW domain-containing oxidoreductase
UniProt Gene Name	**WWOX**

UniProt Synonym Gene Names	FOR; SDR41C1; WOX1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/wwox-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324318