

KD-Validated Anti-WWOX Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2287

Product Information

Application	WB
Primary Accession	Q9NZC7
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4780
Calculated MW	46677
Gene Name	WWOX
Aliases	WWOX; WW Domain Containing Oxidoreductase; SDR41C1; WOX1; FOR; WW Domain-Containing Oxidoreductase; Short Chain Dehydrogenase/Reductase Family 41C Member 1; Fragile Site FRA16D Oxidoreductase; Short Chain Dehydrogenase/Reductase Family 41C, Member 1; WW Domain-Containing Protein WWOX; EC 1.1.1.-; D16S432E; EC 1.1.1; HHCMA56; PRO0128; EIEE28; FRA16D; SCAR12; DEE28
Immunogen	Recombinant protein of human WWOX

Additional Information

Gene ID	51741
Other Names	WW domain-containing oxidoreductase, 1.1.1.-, Fragile site FRA16D oxidoreductase, Short chain dehydrogenase/reductase family 41C member 1, WWOX, FOR, SDR41C1, WOX1

Protein Information

Name	WWOX
Synonyms	FOR, SDR41C1, WOX1
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.
Cellular Location	Cytoplasm. Nucleus Mitochondrion. Golgi apparatus. Lysosome Note=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 (PubMed:19366691). Isoform 5 and isoform 6 may localize in the nucleus Localized to the lysosome probably upon binding

to VOPP1 (PubMed:30285739). {ECO:0000250,
ECO:0000269|PubMed:14695174, ECO:0000269|PubMed:19366691,
ECO:0000269|PubMed:30285739}

Tissue Location

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

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