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# KD-Validated Anti-WWOX Rabbit Monoclonal Antibody

**Rabbit monoclonal antibody**
**Catalog # AGI2287**

## Specification

### KD-Validated Anti-WWOX Rabbit Monoclonal Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q9NZC7 |
| Reactivity | **Rat, Human, Mouse** |
| Clonality | **Monoclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **Predicted, 47 kDa; observed, 40 kDa KDa** |
| 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** |

### KD-Validated Anti-WWOX Rabbit Monoclonal Antibody - 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

### KD-Validated Anti-WWOX Rabbit Monoclonal Antibody - 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}

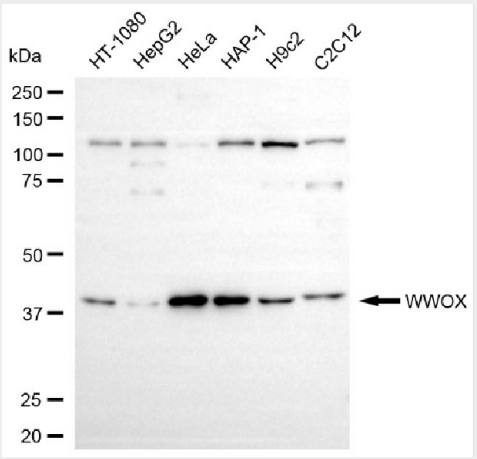
**Tissue Location**
Widely expressed. Strongly expressed in testis, prostate, and ovary. Overexpressed in cancer cell lines. Isoform 5 and isoform 6 may only be expressed in tumor cell lines

## KD-Validated Anti-WWOX Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## KD-Validated Anti-WWOX Rabbit Monoclonal Antibody - Images






Western blotting analysis using anti-WWOX antibody (Cat#AGI2287). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-WWOX antibody (Cat#AGI2287, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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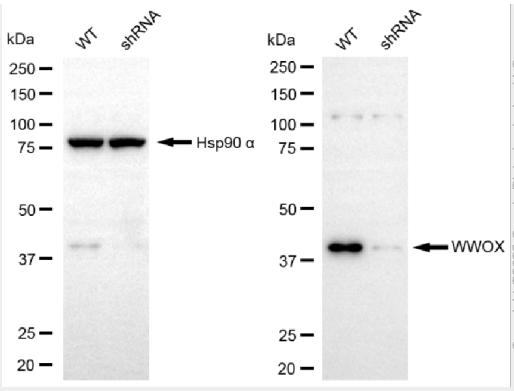


Western blotting analysis using anti-WWOX antibody (Cat#AGI2287). WWOX expression in wild-type (WT) and WWOX shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-WWOX antibody (Cat#AGI2287, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.