

### **WWOX Antibody**

Rabbit Polyclonal Antibody Catalog # ALS15709

## **Specification**

### **WWOX Antibody - Product Information**

Application IF
Primary Accession O9NZC7
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 47kDa KDa

#### **WWOX Antibody - Additional Information**

#### **Gene ID 51741**

#### **Other Names**

WW domain-containing oxidoreductase, 1.1.1.-, Fragile site FRA16D oxidoreductase, WWOX, FOR, WOX1

### Target/Specificity

Human WWOX. Predicted cross-reactivity based on amino acid sequence homology: mouse (95%), rat (96%), bovine (93%).

## **Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Precautions**

WWOX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **WWOX 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

**Volume** 

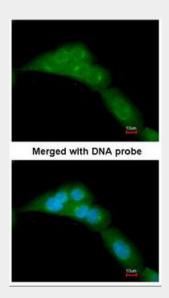
50 µl

## **WWOX Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **WWOX Antibody - Images**



Immunofluorescence of paraformaldehyde-fixed A549, using WWOX antibody at 1:200 dilution.

## WWOX Antibody - Background

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# **WWOX Antibody - References**





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Bednarek A.K., et al. Cancer Res. 60:2140-2145(2000). Ried K., et al. Hum. Mol. Genet. 9:1651-1663(2000). Bednarek A.K., et al. Cancer Res. 61:8068-8073(2001). Paige A.J.W., et al. Proc. Natl. Acad. Sci. U.S.A. 98:11417-11422(2001). Chang N.-S., et al. Submitted (DEC-2004) to the EMBL/GenBank/DDBJ databases.