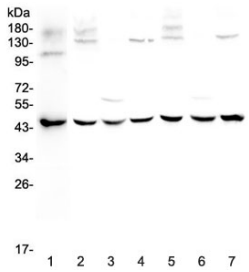
# WWOX Antibody (RQ4282)

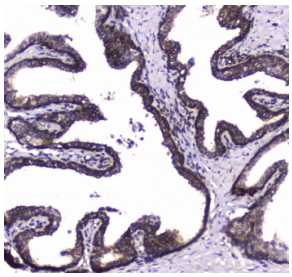
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ4282 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

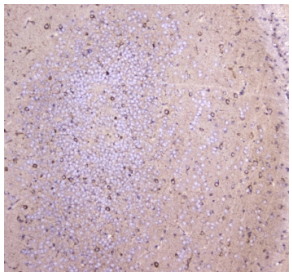
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9NZC7 |
| **Localization** | Cytoplasm |
| **Applications** | Western blot: 0.5-1ug/ml<br>IHC (FFPE): 1-2ug/ml<br>FACS: 1-3ug/10^6 cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This WWOX antibody is available for research use only. |



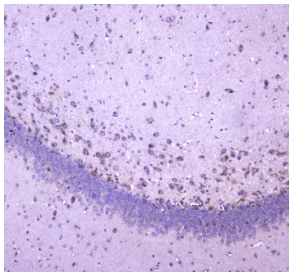

Western blot testing of 1) human MCF7, 2) rat brain, 3) rat kidney, 4) rat testis, 5) mouse brain, 6) mouse kidney and 7) mouse testis lysate with WWOX antibody at 0.5ug/ml. Predicted molecular weight ~46 kDa.



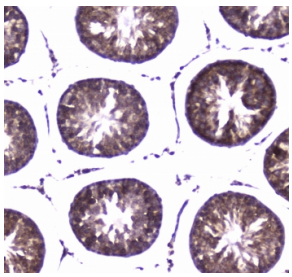
IHC testing of FFPE human prostate cancer tissue with WWOX antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



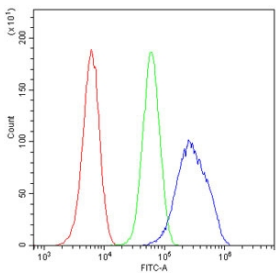
IHC testing of FFPE mouse brain tissue with WWOX antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE rat brain tissue with WWOX antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE rat tesis tissue with WWOX antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Flow cytometry testing of human U-2 OS cells with WWOX antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= WWOX antibody.

## Description

WW domain-containing oxidoreductase is an enzyme that in humans is encoded by the WWOX gene. This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. It 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 this gene 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.

## Application Notes

Optimal dilution of the WWOX antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids M1-D245 was used as the immunogen for the WWOX antibody.

## Storage

After reconstitution, the WWOX antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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