

Product Name: KD-Validated WWOX Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00304**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 46.7kDa

Antigen Information

Gene Name	WWOX WWOX; WW Domain Containing Oxidoreductase; SDR41C1; WOX1; FOR; WW Domain-Containing Oxidoreductase; Short Chain Dehydrogenase/Reductase Family 41C Member 1;
Alternative Names	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
Gene ID	51741.0
SwissProt ID	Q9NZC7
Immunogen	Recombinant protein of human WWOX

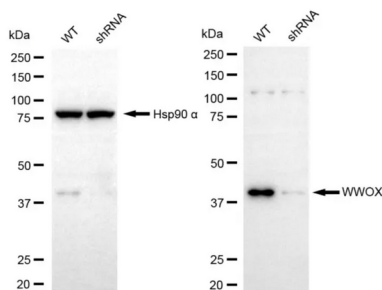
Background

This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. This gene 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. [provided by RefSeq, May 2014]

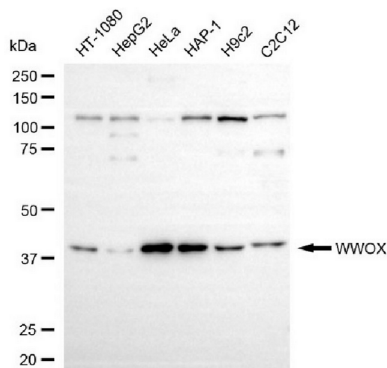
Research Area

Cell Biology, Neuroscience, Epigenetics and Nuclear Signaling, Cancer

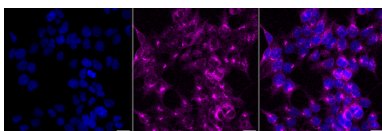
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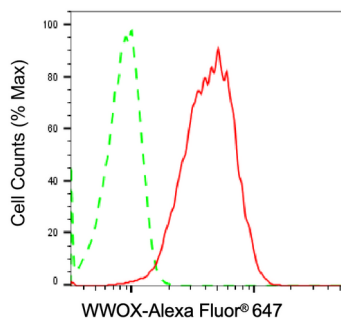
Western blotting analysis using WWOX antibody (KVA00304). WWOX expression in wild-type (WT) and WWOX shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with WWOX antibody (KVA00304, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using WWOX antibody (KVA00304). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with WWOX antibody (KVA00304, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with WWOX antibody (KVA00304, 1:1,000). Nuclei were stained blue with DAPI; WWOX was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of WWOX expression in HeLa cells using WWOX antibody (KVA00304, 1:2,000). Green, isotype control; red, WWOX.

