Data Sheet (Cat.No.TMAB-14206)

Anti-WWOX Antibody (3D906)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse)
Clone:	3D906
Purification:	Protein A purified

Applications

Verified Activity:

1. Cell line: A549
Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100
Primary ab dilution: 1:50
Primary incubation condition: 4°C overnight
Secondary ab: Goat Anti-Rabbit IgG
Nuclear counter stain: DAPI (Blue)
Counter stain: Tubulin (Red)
Comment: Color green is the positive signal for TMAB-14206
2. Cell line: MCF-7
Fixation: 4% Paraformaldehyde
Permeabilization: 90% Methanol
Primary Ab dilution: 1:50
Secondary Ab: Goat Anti-Rabbit IgG
Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line).
Isotype control: Rabbit monoclonal IgG (Blue line).
Comment: Line red is the positive signal for TMAB-14206
3. Blocking buffer: 5% NFDM/TBST
Primary ab dilution: 1: 2000
Primary ab incubation condition: 2 hours at room temperature
Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)
Lysate: 1: MCF-7, 2: Mouse ovary, 3: Rat brain
Protein loading quantity: 20 μg
Exposure time: 60 s
Predicted MW: 47 kDa
Observed MW: 47 kDa
4. Tissue: Rat cerebrum
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-14206
5. Tissue: Human testis
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-14206
6. Tissue: Human cerebrum
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
Primary ab incubation condition: 4°C overnight
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-14206

Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF,FCM
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Gene ID:	51741

Research Background

WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 2 WW domains and a short-chain dehydrogenase/reductase domain (SRD). The highest normal expression of this gene is detected in hormonally regulated tissues such as testis, ovary, and prostate. This expression pattern and the presence of an SRD domain suggest a role for this gene in steroid metabolism. The encoded protein is more than 90% identical to the mouse protein, which is an essential mediator of tumor necrosis factor-alpha-induced apoptosis, suggesting a similar, important role in apoptosis for the human protein. In addition, there is evidence that this gene behaves as a suppressor of tumor growth. Alternative splicing of this gene generates transcript variants that encode different isoforms. [provided by RefSeq, Jul 2008]