Anti-APC2 antibody

Catalog Number: 175072

Product name

Anti-APC2 antibody

Specificity

Human

Antibody description

Mouse monoclonal antibody to APC2

Preparation

This antigen of this antibody was purified recombinant fragment of human apc2 (aa: 2041-2181) expressed in e. coli.

Formulation

Liquid, 1*PBS with 0.05% sodium azide.

Storage

Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Clonality

Monoclonal

Ig Type

Mouse IgG1

Applications

WB, IHC-P, ICC, FC

Dilutions

WB: 1:500-1:2,000

IHC-P: 1:50-1:200

ICC: 1:50-1:200

FC: 1:100-1:200

Validations

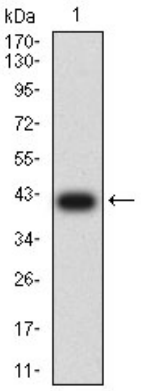

Fig1: Western blot analysis of APC2 against human APC2 (AA: 2041-2181) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

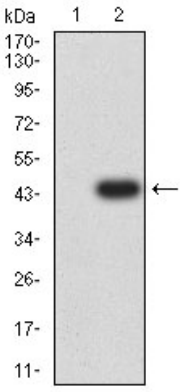

Fig2: Western blot analysis of APC2 against HEK293 (1) and APC2 (AA: 2041-2181)-hIgGFc transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room

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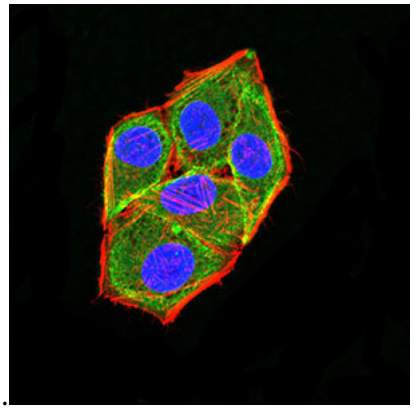
temperature. 

Fig3: Immunocytochemistry staining of APC2 in Hela cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/100) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue), Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

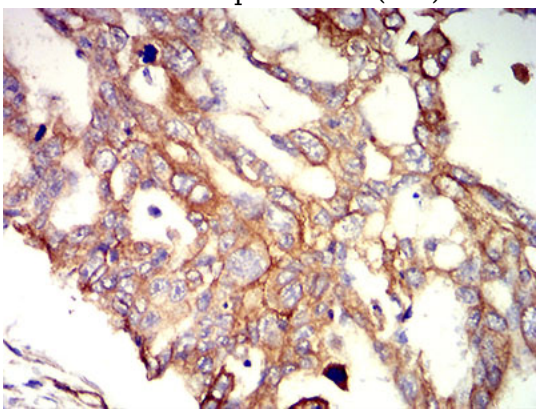


Fig4: Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using anti-APC2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/100) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

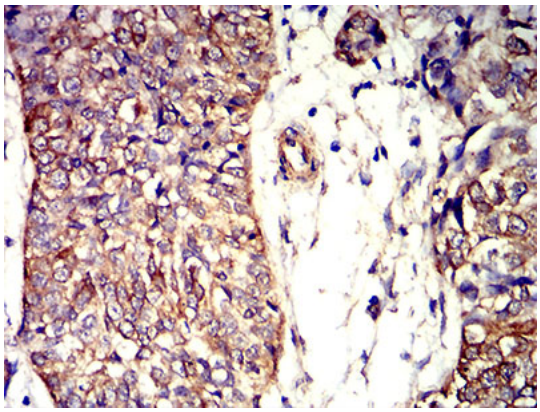


Fig5: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using anti-APC2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/100) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

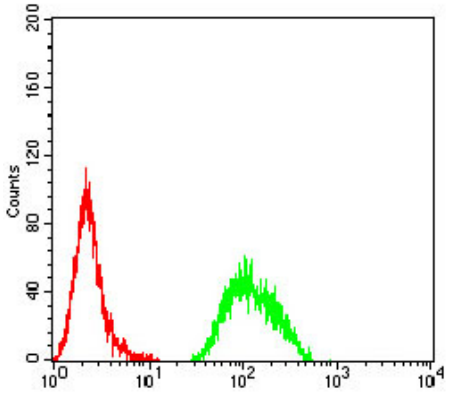


Fig6: Flow cytometric analysis of APC2 was done on Hela cells. The cells were fixed, permeabilized and stained with the primary antibody (1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).