

## USP9x polyclonal antibody

Catalog: BS9954M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Deubiquitinase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. May therefore play an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. Specifically hydrolyzes 'Lys-48', 'Lys-29' and 'Lys-33'-linked polyubiquitins chains. Essential component of TGF-beta/BMP signaling cascade. Specifically deubiquitinates monoubiquitinated SMAD4, opposing the activity of E3 ubiquitin-protein ligase TRIM33. Deubiquitinates alkylation repair enzyme ALKBH3. OTUD4 recruits USP7 and USP9X to stabilize ALKBH3, thereby promoting the repair of alkylated DNA lesions. Regulates chromosome alignment and segregation in mitosis by regulating the localization of BIRC5/survivin to mitotic centromeres. Involved in axonal growth and neuronal cell migration.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 50 kDa

### Swiss-Prot:

Q93008

### Purification&Purity:

Protein A affinity purified.

### Applications:

WB: 1:1000-1:2000

IHC: 1:50-1:200

IF: 1:50-1:200

FC: 1:50-1:100

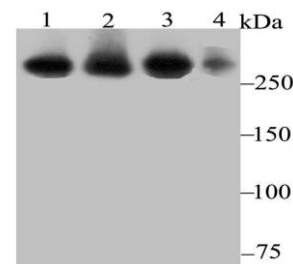
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of USP9x and does not cross-react with related proteins.

### DATA:



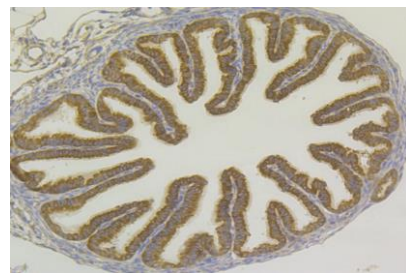
Western blot (WB) analysis of USP9x Rabbit mAb at 1:1000 dilution

Lane1:SiHa whole cell lysate

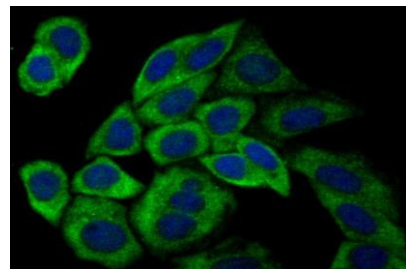
Lane2:A549 whole cell lysate

Lane3:293 whole cell lysate

Lane4:The colon tissue lysate of Mouse



Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-USP9X antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.



ICC staining USP9X in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

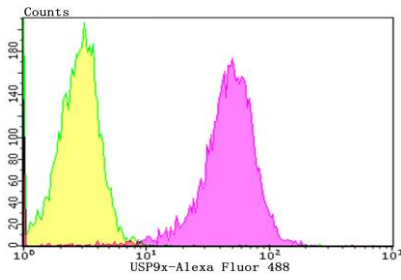
### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



**Note:**

For research use only, not for use in diagnostic procedure.

Flow cytometric analysis of 293T cells with USP9X antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow).Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

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Tel: 6123263284

Fax: 6122933841

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