



USP49 polyclonal antibody

Catalog: BS33096

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Ubiquitin carboxyl-terminal hydrolase 49: Deubiquitinase that plays a role in several cellular processes including transcriptional regulation, cell cycle progression or innate immunity. Specifically deubiquitinates histone H2B at 'Lys-120' (H2BK120Ub), a specific tag for epigenetic transcriptional activation and acts as a regulator of mRNA splicing. Antagonizes DNA double-strand break-induced ubiquitination of H2AX thereby participating in the maintenance of genome integrity. Plays a role in the negative regulation of cell proliferation through the AKT pathway by deubiquitinating FKBP51, leading to enhanced AKT1 dephosphorylation by PHLPP1. Also regulates the mitotic spindle checkpoint and prevents aneuploidy. Negatively regulates cellular antiviral responses via deconjugating 'Lys-63'-linked ubiquitination of STING1. Significantly enhances the anti-HIV-1 activity of APOBEC3G. Mechanistically, stabilizes APOBEC3G by coun...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~79.2 kDa

Swiss-Prot:

Q70CQ1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of USP49 protein

DATA:

Western blot analysis of GOT2 expression in HepG2 (A), Jurkat (B), mouse liver (C), mouse brain (D), rat kidney (E) whole cell lysates.

Immunohistochemical analysis of GOT2 staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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