



USP20 polyclonal antibody

Catalog: BS31361

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Ubiquitin carboxyl-terminal hydrolase 20: Deubiquitinating enzyme that plays a role in many cellular processes including autophagy, cellular antiviral response or membrane protein biogenesis . Attenuates TLR4-mediated NF-kappa-B signaling by cooperating with beta-arrestin-2/ARRB2 and inhibiting TRAF6 autoubiquitination . Promotes cellular antiviral responses by deconjugating 'Lys-33' and 'Lys-48'-linked ubiquitination of STING1 leading to its stabilization . Plays an essential role in autophagy induction by regulating the ULK1 stability through deubiquitination of ULK1 . Acts as a positive regulator for NF-kappa-B activation by TNF through deubiquitinating 'Lys-48'-linked polyubiquitination of SQSTM1, leading to its increased stability . Acts as a regulator of G protein-coupled receptor (GPCR) signaling by mediating the deubiquitination beta-2 adrenergic receptor (ADRB2) . Plays a central role in ADRB2 recycling and resensiti...

Product:

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

Molecular Weight:

~102 kDa

Swiss-Prot:

Q9Y2K6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

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 USP20 protein

DATA:

Western blot analysis of Elastin expression in rat lung (A), mouse lung (B), A375 (C), A549 (D) whole cell lysates.

Immunohistochemical analysis of Elastin staining in human liver cancer 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.

Immunofluorescent analysis of Elastin staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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