

TRIM34 polyclonal antibody

Catalog: BS31796

Host: Rabbit

Reactivity: Human

BackGround:

E3 ubiquitin-protein ligase TRIM34: Functions as antiviral protein and contributes to the defense against retroviral infections. Acts as a capsid-specific restriction factor with the help of TRIM5 and prevents infection from non-host-adapted retroviruses. During influenza A virus infection, promotes programmed cell death by targeting ZBP1 for 'Lys-63'-linked polyubiquitination. In turn, promotes ZBP1 recruitment of RIPK3 to mediate virus-induced programmed necrosis. Negatively regulates the function of mitochondria by enhancing mitochondrial depolarization leading to cytochrome c release and mitochondria-dependent apoptosis. Also promotes the formation of multinucleated giant cells by means of cell fusion and phagocytosis in epithelial cells.

Product:

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

Molecular Weight:

~56.9 kDa

Swiss-Prot:

Q9BYJ4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

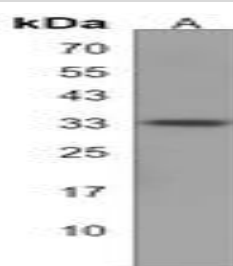
Storage&Stability:

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

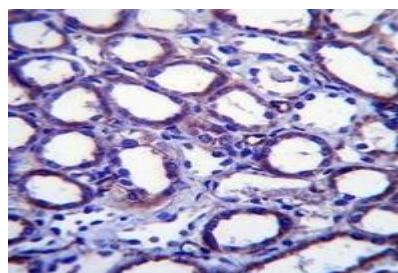
Specificity:

Recognizes endogenous levels of TRIM34 protein.

DATA:



Western blot analysis of Ubiquitin (Linkage specific-K27) expression in HeLa (A) whole cell lysates.



Immunofluorescent analysis of Ubiquitin (Linkage specific-K27) staining in HeLa 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 an 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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