

USP22 Rabbit mAb

Catalog No: #49701



Package Size: #49701-1 50ul #49701-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

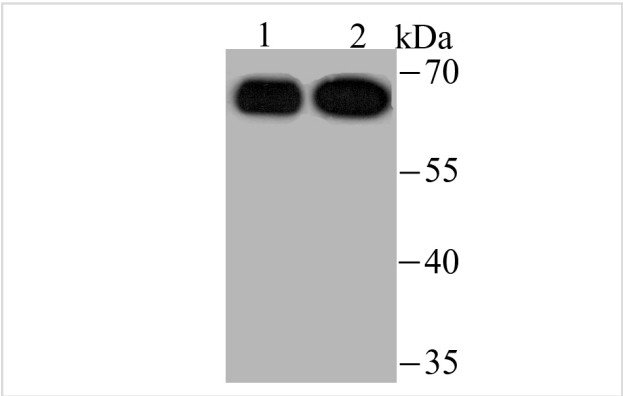
Description

Product Name	USP22 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU63-27
Purification	ProA affinity purified
Applications	WB,ICC/IF,FC,IP
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Deubiquitinating enzyme 22 antibody KIAA1063 antibody Ubiquitin carboxyl terminal hydrolase 22 antibody Ubiquitin carboxyl-terminal hydrolase 22 antibody Ubiquitin specific peptidase 22 antibody Ubiquitin specific peptidase 3 like antibody Ubiquitin specific processing protease 22 antibody Ubiquitin specific protease 22 antibody Ubiquitin thioesterase 22 antibody Ubiquitin thiolesterase 22 antibody Ubiquitin-specific-processing protease 22 antibody UBP22_HUMAN antibody USP 22 antibody Usp22 antibody USP3L antibody
Accession No.	Swiss-Prot#:Q9UPT9
Uniprot	Q9UPT9
GeneID	23326;
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

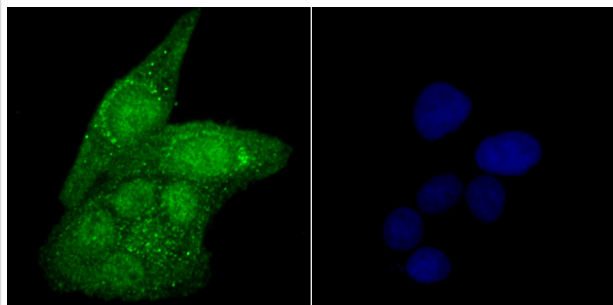
Application Details

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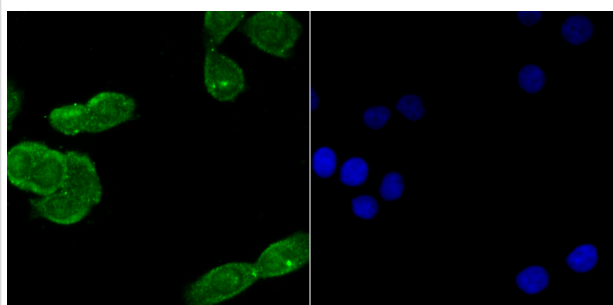
Images



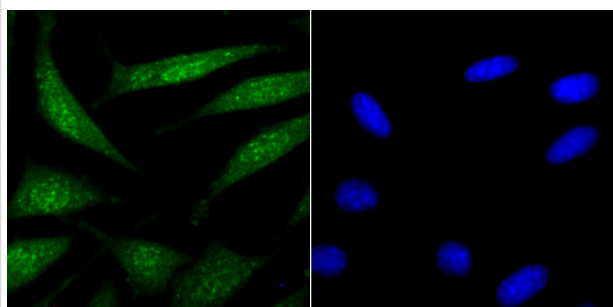
Western blot analysis of USP22 on HeLa (1) and HepG2 (2) cell lysate using anti-USP22 antibody at 1/500 dilution.



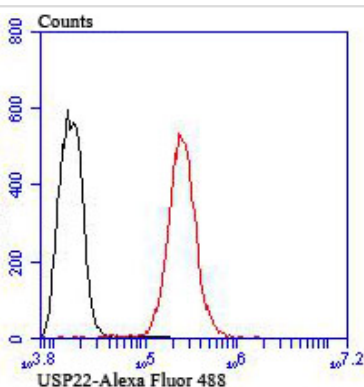
ICC staining USP22 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining USP22 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining USP22 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with USP22 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP22 (ubiquitin specific peptidase 22), also known as USP3L, is a 525 amino acid protein that contains one UBP-type zinc finger and functions to catalyze the conversion of a ubiquitin C-terminal thioester to free ubiquitin and thiol, a reaction that may influence several cellular processes. Via its catalytic activity, USP22 is thought to play an important role in cell cycle progression and may also serve as a cancer stem cell marker. The gene encoding USP22 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes.

References

Note: This product is for in vitro research use only