

USP27X Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16881a

Specification

USP27X Antibody (N-term) - Product Information

Application	WB, IF,E
Primary Accession	A6NNY8
Other Accession	NP_001138545.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

USP27X Antibody (N-term) - Additional Information

Gene ID 389856

Other Names

Ubiquitin carboxyl-terminal hydrolase 27, Deubiquitinating enzyme 27, Ubiquitin carboxyl-terminal hydrolase 22-like, Ubiquitin thioesterase 27, Ubiquitin-specific-processing protease 27, X-linked ubiquitin carboxyl-terminal hydrolase 27, USP27X, USP22L, USP27

Target/Specificity

This USP27X antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids of human USP27X.

Dilution

WB~~1:2000

IF~~1:25

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

USP27X Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

USP27X Antibody (N-term) - Protein Information

Name USP27X {ECO:0000303|PubMed:31534008, ECO:0000312|HGNC:HGNC:13486}

Function Deubiquitinase involved in innate antiviral immunity by mediating deubiquitination of CGAS and RIGI (PubMed:[31534008](#), PubMed:[32027733](#)). Negatively regulates RIGI by mediating 'Lys-63'-linked deubiquitination of RIGI, inhibiting type I interferon signaling (PubMed:[32027733](#)). Also regulates 'Lys-63'-linked ubiquitination level of MDA5/IFIH1 (PubMed:[32027733](#)). Acts as a positive regulator of the cGAS-STING pathway by catalyzing 'Lys-48'-linked deubiquitination of CGAS, thereby promoting its stabilization (PubMed:[31534008](#)). Can reduce the levels of BCL2L11/BIM ubiquitination and stabilize BCL2L11 in response to the RAF-MAPK-degradation signal (By similarity). By acting on BCL2L11 levels, may counteract the anti-apoptotic effects of MAPK activity (By similarity).

Cellular Location

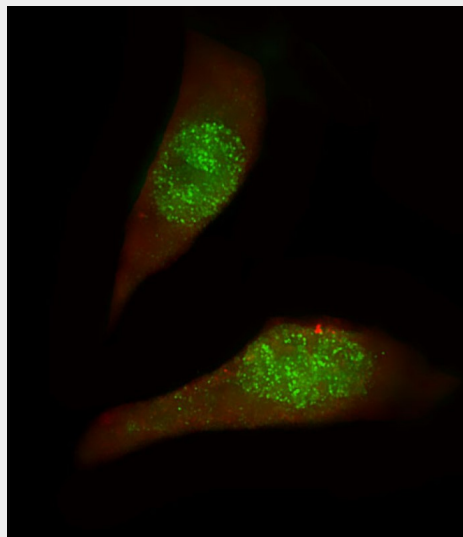
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8CEG8}. Nucleus {ECO:0000250|UniProtKB:Q8CEG8}

USP27X Antibody (N-term) - Protocols

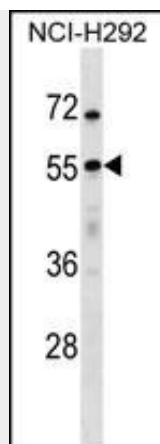
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

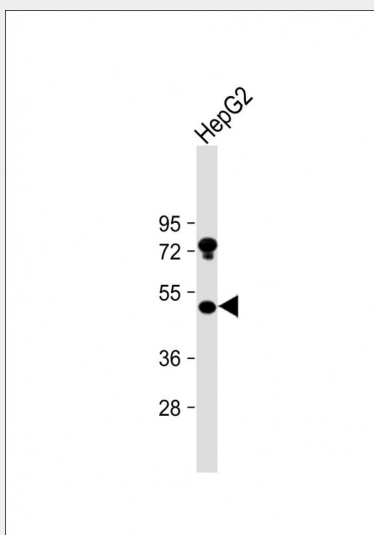
USP27X Antibody (N-term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa cells labeling USP27X with AP16881a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus and Weak Cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (red). The nuclear counter stain is DAPI (blue).



USP27X Antibody (N-term) (Cat. #AP16881a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the USP27X antibody detected the USP27X protein (arrow).



Anti-USP27X Antibody (N-term) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

USP27X Antibody (N-term) - References

Puente, X.S., et al. Nat. Rev. Genet. 4(7):544-558(2003)

USP27X Antibody (N-term) - Citations

- [Phosphorylation of USP27X by GSK3β maintains the stability and oncogenic functions of CBX2](#)
- [The deubiquitinase Usp27x stabilizes the BH3-only protein Bim and enhances apoptosis.](#)