

USP18 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12666**Specification**

USP18 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9UMW8
Other Accession	NM_017414 , NP_059110
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Pig, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 43kDa KDa

USP18 antibody - N-terminal region - Additional Information**Gene ID** 11274**Alias Symbol** ISG43, UBP43**Other Names**

Ubl carboxyl-terminal hydrolase 18, 3.4.19.-, 43 kDa ISG15-specific protease, hUBP43, ISG15-specific-processing protease, Ubl thioesterase 18, USP18, ISG43

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-USP18 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

USP18 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

USP18 antibody - N-terminal region - Protein Information**Name** USP18**Synonyms** ISG43**Function**

Interferon-induced ISG15-specific protease that plays a crucial role for maintaining a proper balance of ISG15-conjugated proteins in cells (PubMed:11788588). Regulates protein ISGylation by efficiently cleaving ISG15 conjugates linked via isopeptide bonds. Regulates T-cell activation and T-helper 17 (Th17) cell differentiation by deubiquitinating TAK1, likely to keep

TAK1-TAB complexes in steady conditions (PubMed:23825189). In turn, restricts activation of NF- kappa-B, NFAT, and JNK as well as expression of IL2 in T-cells after TCR activation (PubMed:23825189). Acts as a molecular adapter with USP20 to promote innate antiviral response through deubiquitinating STING1 (PubMed:27801882). Involved also in the negative regulation of the inflammatory response triggered by type I interferon (PubMed:28165510, PubMed:27325888). Upon recruitment by STAT2 to the type I interferon receptor subunit IFNAR2 interferes with the assembly of the ternary interferon-IFNAR1-IFNAR2 complex and acts as a negative regulator of the type I interferon signaling pathway (PubMed:28165510).

Cellular Location

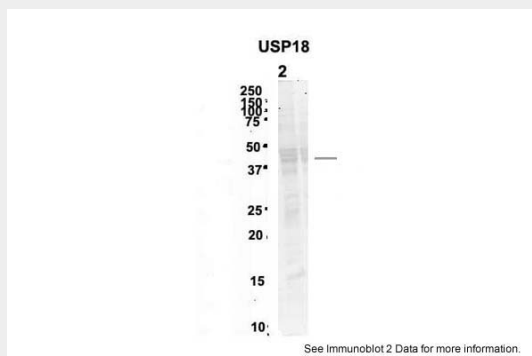
[Isoform 1]: Cytoplasm

USP18 antibody - N-terminal region - 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](#)

USP18 antibody - N-terminal region - Images



USP18 antibody - N-terminal region validated by WB using Mouse Brain lysate at 2µg/ml.



WB Suggested Anti-USP18 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:62500

Positive Control: Hela cell lysate

USP18 antibody - N-terminal region - References

Yan, M., (2007) Blood 110(1), 305-312 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.