

## Product datasheet for **AP07181PU-N**

### UBP43 (USP18) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000 - 1/50000. <b>Immunofluorescence.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide
Specificity:	This antibody reacts to amino acids 40 to 49 of human USP18.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquidi purified Ig
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin specific peptidase 18
Database Link:	<a href="#">Entrez Gene 11274 Human Q9UMW8</a>



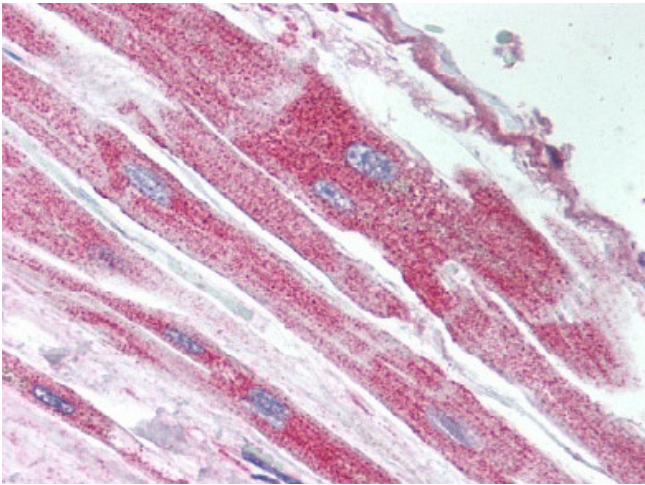
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**Background:**

UBP43 (also known as ISG43, Ubl thiolesterase 18, ISG15-specific processing protease, 43 kDa ISG15-specific protease, ubiquitin specific protease 18 or USP18) is a member of the deubiquitinating protease family of enzymes, which removes ubiquitin adducts from a broad range of protein substrates. Deletion of the UBP43 gene in mouse leads to a massive increase of ISG15 conjugates in tissues indicating that UBP43 is a major ISG15-specific protease. UBP43 is the first ISG15-specific protease reported. Both ISG15 and UBP43 genes are known to be strongly induced by interferon, genotoxic stress, and viral infection. Thus UBP43 may be necessary to maintain a critical cellular balance of ISG15-conjugated proteins in both healthy and stressed organisms.

**Synonyms:**

Ubl carboxyl-terminal hydrolase 18, ISG43

**Product images:**

Heart: Formalin-Fixed Paraffin-Embedded (FFPE)