

Datasheet for ABIN302692

anti-USP18 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	USP18
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide
Specificity:	This antibody reacts to amino acids 40 to 49 of human USP18.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	USP18
Alternative Name:	USP18 (USP18 Products)
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

Target Details

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: 43 kDa ISG15-specific protease, ISG15-specific-processing protease, ISG43, Ubl carboxyl-terminal hydrolase 18, Ubl thioesterase 18

Gene ID: 11274

NCBI Accession: [NP_059110](#)

UniProt: [Q9UMW8](#)

Application Details

Application Notes: Immunofluorescence. Western Blot: 1: 500 - 1: 2000. Immunohistochemistry: 5 µg/mL. ELISA: 1: 10000 - 1: 50000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 0.93 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

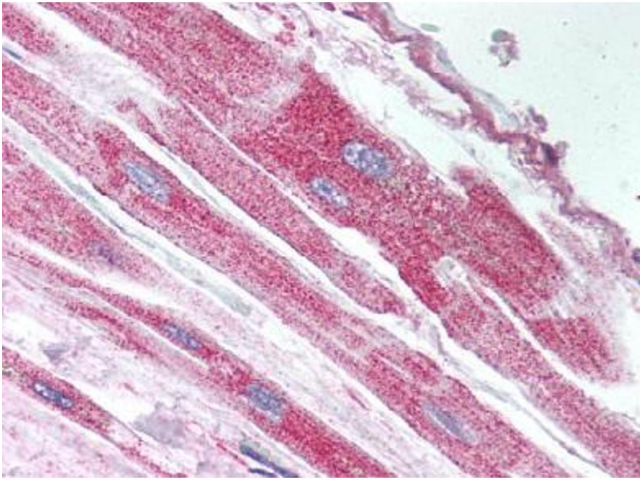


Image 1.