

## Datasheet for ABIN7120498 **anti-USP14 antibody**



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### Overview

Quantity:	100 µg
Target:	USP14
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

### Product Details

Immunogen:	ubiquitin specific peptidase 14(tRNA-guanine transglycosylase)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	USP14
Alternative Name:	USP14 ( <a href="#">USP14 Products</a> )
Background:	Synonyms:Deubiquitinating enzyme 14, TGT, Ubiquitin thiolesterase 14, USP14 Background:Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of

## Target Details

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proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation(ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Indispensable for synaptic development and function at neuromuscular junctions(NMJs).

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Molecular Weight: 52-60 kDa

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Gene ID: 9097

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UniProt: [P54578](#)

## Application Details

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Application Notes: WB: 1:500-1:5000, IP: 1:500-1:5000, IF: 1:10-1:100

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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Preservative: Sodium azide

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

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Storage: -20 °C

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Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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Expiry Date: 12 months