

Datasheet for ABIN4915065

anti-USP14 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	USP14
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This USP14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified His-tagged USP14 protein was used to produced this monoclonal antibody.
Clone:	9C1
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	USP14
Alternative Name:	USP14 (USP14 Products)
Background:	Synonyms: TGT, Ubiquitin carboxyl-terminal hydrolase 14, Deubiquitinating enzyme 14,

Target Details

Ubiquitin thioesterase 14, Ubiquitin-specific-processing protease 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 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).

Gene ID: 9097

UniProt: [P54578](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

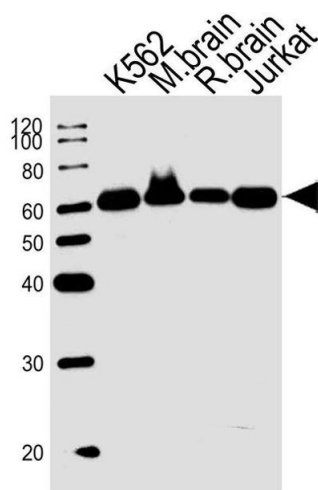
Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: K562, Lane 2: mouse brain, Lane 3: rat brain, Lane 4: Jurkat cell lysate at 20 µg per lane, probed with bsm-51409M USP14 (889CT6.2.1) Monoclonal Antibody at 1:1000 dilution and 4°C *overnight incubation*, followed by *secondary antibody incubation for 60min at room temperature*.