

USP14 recombinant antibody

USP14 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278967	HEK293F Cell	Human	Immunofluorescence, Western Blot, ELISA

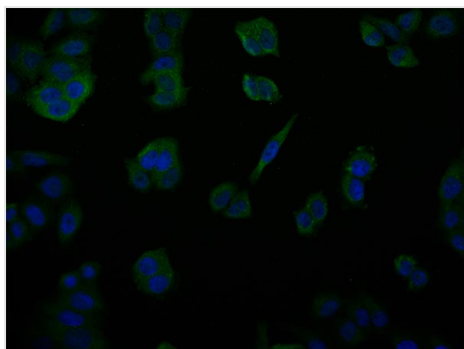
PRODUCT SYNONYMS

USP14; Monoclonal Recombinant Antibody; USP14 Recombinant Monoclonal Antibody; Ubiquitin carboxyl-terminal hydrolase 14 (EC 3.4.19.12)(Deubiquitinating enzyme 14)(Ubiquitin thioesterase 14)(Ubiquitin-specific-processing protease 14); TGT; USP14 recombinant antibody

PRODUCT SPECIFICATIONS

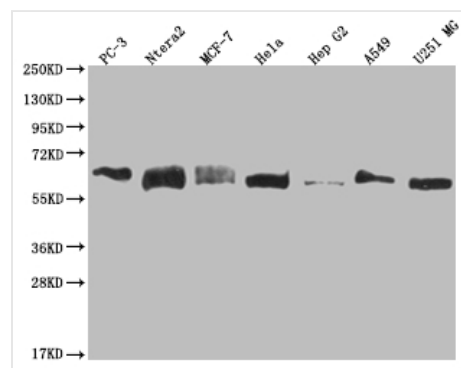
Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	28C4
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for USP14 recombinant antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human USP14
Conjugation	Non-conjugated
Research Area	Epigenetics and Nuclear Signaling; Cell biology
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PC-3 cell with AAA278967 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 517-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB (Western Blot)

Western BlotPositive WB detected in: PC3 whole cell lysate, Ntera-2 whole cell lysate, MCF-7 whole cell lysate, HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, U251 whole cell lysateAll lanes: USP14 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 57, 53, 55 kDaObserved band size: 55-72 kDa

ADDITIONAL INFORMATION

Related Product Information for USP14 recombinant antibody	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). Plays a role in the innate immune defense against viruses by stabilizing the viral DNA sensor CGAS and thus inhibiting its autophagic degradation. {ECO:0000269 PubMed:18162577, ECO:0000269 PubMed:19106094, ECO:0000269 PubMed:19135427, ECO:0000269 PubMed:27666593}.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119622143
NCBI GeneID	9097
UniProt Accession #	P54578; Q53XY5; J3QRZ5
Molecular Weight	56,069 Da
NCBI Official Full Name	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase), isoform CRA_c
NCBI Official Synonym Full Names	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
NCBI Official Symbol	USP14
NCBI Official Synonym Symbols	TGT
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 14; ubiquitin thioesterase 14; deubiquitinating enzyme 14; ubiquitin thiolesterase 14; ubiquitin-specific processing protease 14; ubiquitin-specific-processing protease 14; tRNA-guanine transglycosylase, 60-kD subunit
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 14
UniProt Gene Name	USP14
UniProt Synonym Gene Names	TGT
UniProt Entry Name	UBP14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/usp14-recombinant-antibody-clone-28c4-immunofluorescence-western-blot-elisa/278967>