

Rabbit Usp14 Monoclonal Antibody | anti-Usp14 antibody

Usp14 Antibody

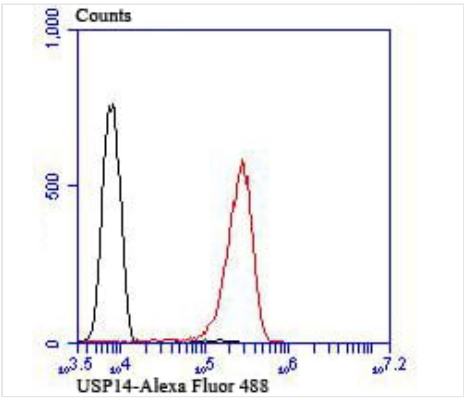
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30408	Rabbit	Human, Zebrafish	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

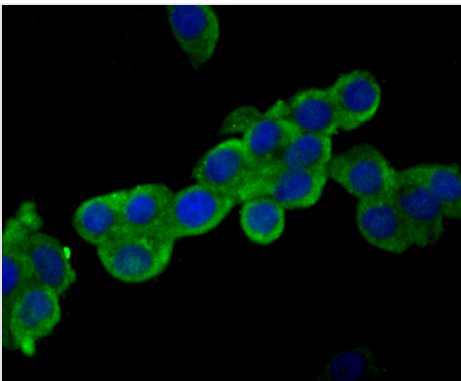
Usp14; Monoclonal Antibody; Usp14 Antibody; Deubiquitinating enzyme 14 antibody; TGT antibody; tRNA guanine transglycosylase 60 kD subunit antibody; tRNA guanine transglycosylase antibody; Ubiquitin carboxyl terminal hydrolase 14 antibody; Ubiquitin carboxyl-terminal hydrolase 14 antibody; Ubiquitin specific peptidase 14 antibody; Ubiquitin specific processing protease 14 antibody; Ubiquitin specific protease 14 antibody; Ubiquitin thiolesterase 14 antibody; Ubiquitin-specific-processing protease 14 antibody; UBP14_HUMAN antibody; USP 14 antibody; USP14 antibody; anti-Usp14 antibody

PRODUCT SPECIFICATIONS

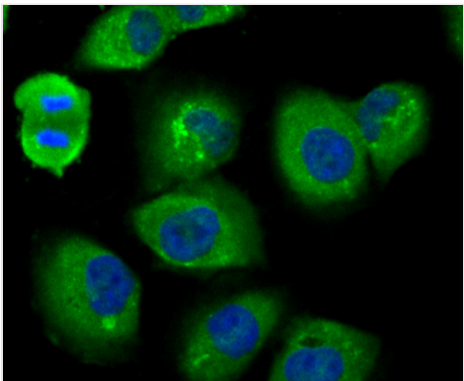
Host	Rabbit
Reactivity	Human, Zebrafish
Clonality	Monoclonal
Clone Number	JU30-49
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Usp14 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



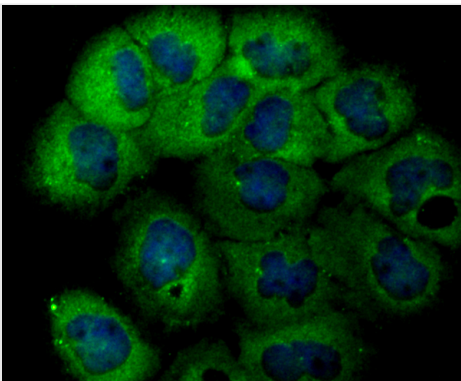
FCM (Flow Cytometry)
Flow cytometric analysis of Jurkat cells with USP14 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



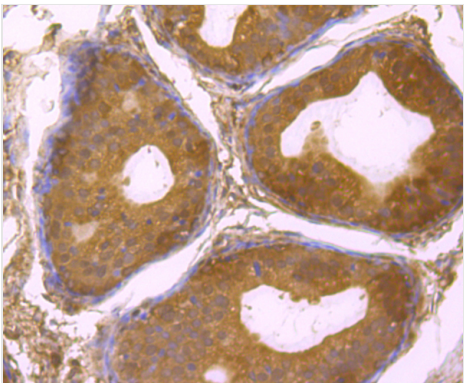
ICC (Immunocytochemistry)
ICC staining USP14 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



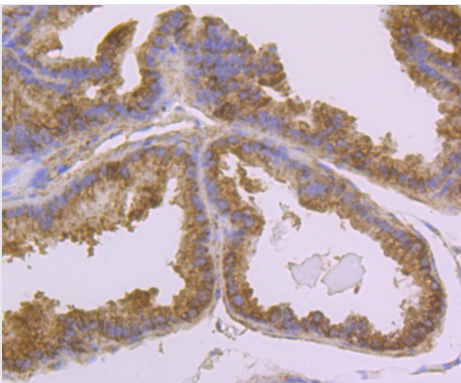
ICC (Immunocytochemistry)
ICC staining USP14 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining USP14 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-USP14 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-USP14 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-Usp14 antibody	The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP14 (ubiquitin specific peptidase 14), also known as TGT (tRNA-guanine transglycosylase), is a cytoplasmic protein that belongs to the ubiquitin-specific processing family of deubiquitinating enzymes. Existing as a homodimer within the cell, USP14 functions to cleave ubiquitin residues from both ubiquitinated proteins and ubiquitin-fused precursors, thereby saving these proteins from proteasomal degradation. In mice, defects or mutations in the gene encoding USP14 cause retarded growth or fetal death, indicating that USP14 plays a key role in early developmental processes. Multiple isoforms of USP14 are expressed due to alternative splicing events.
Product Categories/Family for anti-Usp14 antibody	Total protein Ab

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/usp14-antibody-clone-ju30-49-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30408>