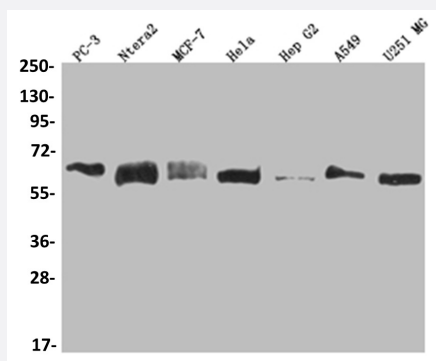


RecomAb™

USP14 recombinant monoclonal antibody, clone 28C4

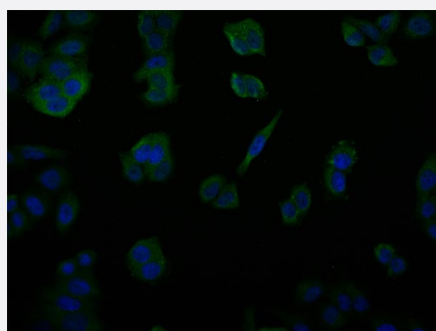
Catalog # RAB07577 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 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 lysate with USP14 recombinant monoclonal antibody, clone 28C4 (Cat # RAB07577).



Immunofluorescence

Immunofluorescent staining of PC-3 Cells with USP14 recombinant monoclonal antibody, clone 28C4 (Cat # RAB07577), 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).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human USP14.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human USP14.
Theoretical MW (kDa)	Calculated MW: 57, 5
Reactivity	Human
Form	Liquid

Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — USP14

Entrez GeneID	9097
Protein Accession#	P54578
Gene Name	USP14
Gene Alias	TGT
Gene Description	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
Omim ID	607274

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

deubiquitinating enzyme 14|tRNA-guanine transglycosylase, 60-kD subunit|ubiquitin carboxyl-terminal hydrolase 14|ubiquitin specific protease 14|ubiquitin specific protease 14 (tRNA-guanine transglycosylase)|ubiquitin thiolesterase 14|ubiquitin-specific pr