

Usp14 Conjugated Antibody

Catalog No: #C49723



Package Size: #C49723-AF350 100ul #C49723-AF405 100ul #C49723-AF488 100ul
 #C49723-AF555 100ul #C49723-AF594 100ul #C49723-AF647 100ul
 #C49723-AF680 100ul #C49723-AF750 100ul #C49723-Biotin 100ul

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Description

Product Name	Usp14 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Zebrafish
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	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
Accession No.	Swiss-Prot#:P54578
Uniprot	P54578
GeneID	9097;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	56 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only