

USP24 recombinant antibody

USP24 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278988	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA

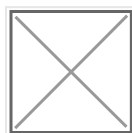
PRODUCT SYNONYMS

USP24; Monoclonal Recombinant Antibody; USP24 Recombinant Monoclonal Antibody; Ubiquitin carboxyl-terminal hydrolase 24 (EC 3.4.19.12)(Deubiquitinating enzyme 24)(Ubiquitin thioesterase 24)(Ubiquitin-specific-processing protease 24); KIAA1057; USP24 recombinant antibody

PRODUCT SPECIFICATIONS

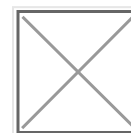
Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	11E3
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for USP24 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human USP24
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



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HepG2 cells stained with AAA278988 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cell with AAA278988 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 569-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

ADDITIONAL INFORMATION

Related Product Information for USP24 recombinant antibody	Ubiquitin-specific protease that regulates cell survival in various contexts through modulating the protein stability of some of its substrates including DDB2, MCL1 or TP53. Plays a positive role on ferritinophagy where ferritin is degraded in lysosomes and releases free iron. {ECO:0000269 PubMed:23159851, ECO:0000269 PubMed:29695420}.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	260064009
NCBI GeneID	23358
NCBI Accession #	NP_056121.2
NCBI GenBank Nucleotide #	NM_015306.2
UniProt Accession #	Q9UPU5; Q6ZSY2; Q8N2Y4; Q9NXD1
Molecular Weight	294,365 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase 24
NCBI Official Synonym Full Names	ubiquitin specific peptidase 24
NCBI Official Symbol	USP24
NCBI Official Synonym Symbols	FLJ31309; KIAA1057
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase 24; OTTHUMP00000009832; ubiquitin thioesterase 24; deubiquitinating enzyme 24; ubiquitin thiolesterase 24; ubiquitin specific protease 24; ubiquitin-specific processing protease 24; ubiquitin-specific-processing prote
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 24
UniProt Gene Name	USP24
UniProt Synonym Gene Names	KIAA1057
UniProt Entry Name	UBP24_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.