

Recombinant

DGRmAb®

USP13 (DGR12121) Rabbit mAb

db11018

Package : 10µL 20µL 50µL 100µL

Product Name : USP13 (DGR12121) Rabbit mAb**Cat.No.:** db11018**Synonyms** : ISOT3; IsoT-3**Application** : WB, ICC/IF, FC**Reactivity** : Human,Mouse**Host species** : Rabbit**Background**

Deubiquitinase that mediates deubiquitination of target proteins such as BECN1, MITF, SKP2 and USP10 and is involved in various processes such as autophagy and endoplasmic reticulum-associated degradation (ERAD). Component of a regulatory loop that controls autophagy and p53/TP53 levels: mediates deubiquitination of BECN1, a key regulator of autophagy, leading to stabilize the PIK3C3/VPS34-containing complexes. Also deubiquitinates USP10, an essential regulator of p53/TP53 stability. In turn, PIK3C3/VPS34-containing complexes regulate USP13 stability, suggesting the existence of a regulatory system by which PIK3C3/VPS34-containing complexes regulate p53/TP53 protein levels via USP10 and USP13.

Immunogen

A synthetic peptide of human USP13

Gene ID

8975

Swiss Prot

Q92995

Synonyms

ISOT3; IsoT-3

Reactivity

Human,Mouse

Application

WB, ICC/IF, FC

Recommended dilution

WB: 1:1000-1:5000

ICC/IF: 1:100

FC: 1:1000-1:10000

Calculated MW

97 kDa

Observed MW

97 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12121

Isotype

IgG

Purity

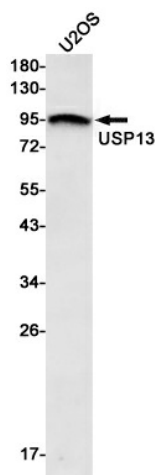
Affinity Purification

Conjugation

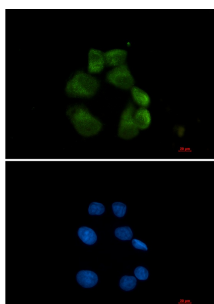
Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of USP13 in U2OS cell lysates using USP13 antibody(1:500 diluted).



Immunofluorescent analysis of HeLa cells using db11018 antibody (green), and DAPI (blue).