

Rabbit anti-Human USP13 Polyclonal Antibody | anti-USP13 antibody

Anti-USP13 Antibody, Rabbit Polyclonal

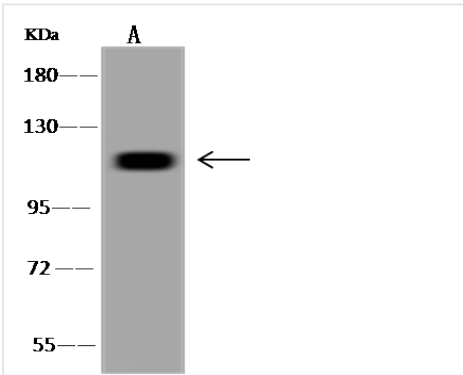
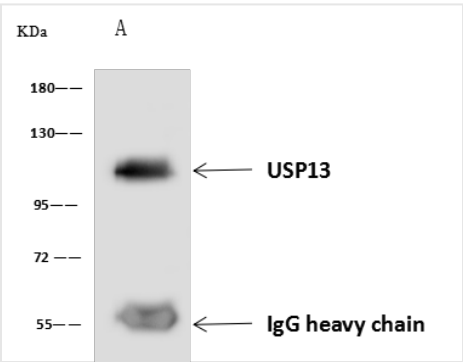
CATALOG # AAA256694	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

USP13; Polyclonal Antibody; Anti-USP13 Antibody; Rabbit Polyclonal; USP13 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-IsoT-3 Antibody; Anti-ISOT3 Antibody; anti-USP13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human USP13
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-USP13 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human USP13 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human USP13 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

USP13 was immunoprecipitated using: Lane A: 0.5 mg A375 Whole Cell Lysate 4 uL anti-USP13 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-USP13 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 97 kDa. Observed band size: 116 kDa.

WB (Western Blot)

Anti-USP13 rabbit polyclonal antibody at 1:500 dilution. Lane A: A375 Whole Cell Lysate. Lane B: NCI-H460 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 97 kDa. Observed band size: 116 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-USP13 antibody	Deubiquitination is a reverse process of cellular ubiquitination important for many biological events. Ubiquitin (Ub)-specific protease 13 (USP13) is an ortholog of USP5 implicated in catalyzing hydrolysis of various Ub chains. USP13 is a de-ubiquinating enzyme that regulates protein ubiquitination and clearance. USP13 specifically deubiquitinates and thus upregulates ATP citrate lyase and oxoglutarate dehydrogenase, two key enzymes that determine mitochondrial respiration, glutaminolysis and fatty acid synthesis. Ubiquitin-specific peptidase 13 (USP13) is a master regulator that drives ovarian cancer metabolism. USP13 may be a potential therapeutic target for the treatment of various malignancies.
References	Zhang YH, et al. (2011) Domain analysis reveals that a deubiquitinating enzyme usp13 performs non-activating catalysis for lys63-linked polyubiquitin. PLoS One 6 (12): e29362. Xiang S, et al. (2015) Microrna-135b regulates the stability of pten and promotes glycolysis by targeting usp13 in human colorectal cancers. Oncol Rep 33 (3): 1342-1348. Han C, et al. (2016) Amplification of usp13 drives ovarian cancer metabolism. Nat Commun 7 13525.

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.