

Anti-USP13 Antibody (7A655)

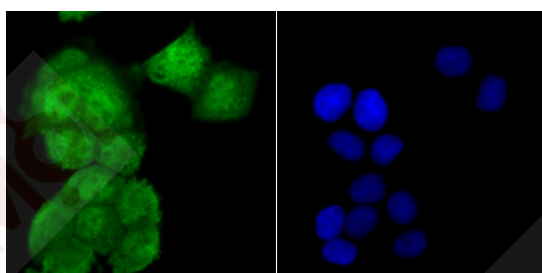
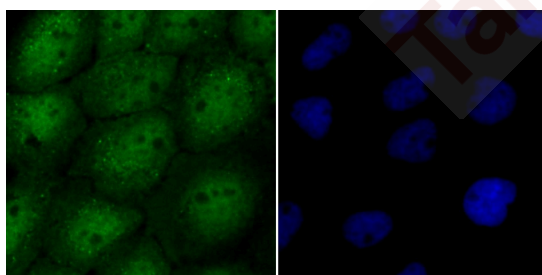
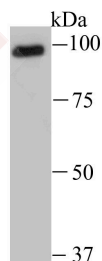
Product Details

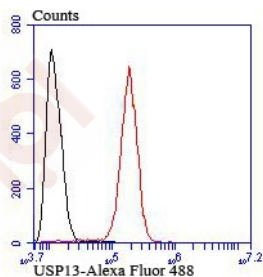
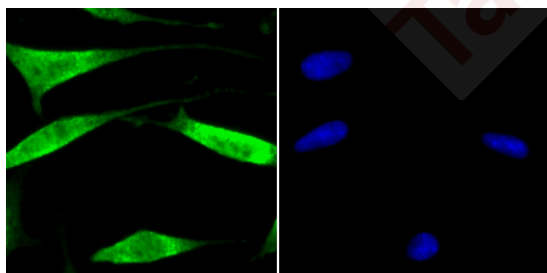
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 97 kDa.
Clone:	7A655
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of USP13 on mouse testis tissue lysate using anti-USP13 antibody at 1/500 dilution.
2. ICC staining USP13 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining USP13 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining USP13 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. Flow cytometric analysis of SH-SY5Y cells with USP13 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).





Application: FCM, ICC/IF, IP, WB

Recommended WB: 1:500-2000; ICC/IF: 1:50-200; IP: 1:10-50; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q92995

Synonyms: UBP13; Ubiquitin specific peptidase 13; Deubiquitinating enzyme 13; Ubiquitin specific peptidase 13 (isopeptidase T3); Ubiquitin specific protease 13; ISOT-3; Isopeptidase T3; ISOT 3; Ubiquitin-specific-processing protease 13; Isopeptidase T 3; Ubiquitin carboxyl-terminal hydrolase 13; Ubiquitin thioesterase 13; ISOT3; UBP13_HUMAN; Isopeptidase T-3; Ubiquitin specific processing protease 13; Ubiquitin carboxyl terminal hydrolase 13; USP 13; Ubiquitin thioesterase 13

Research 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. USP13 (ubiquitin specific peptidase 13), also known as ISOT3 (Isopeptidase T-3), is an 863 amino acid protein that belongs to the peptidase C19 family and contains one UBP-type zinc finger and two UBA domains. Highly expressed in testicular and ovarian tissue, USP13 functions to catalyze the water-dependent conversion of a ubiquitin C-terminal thioester to a thiol and a free ubiquitin.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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