



USP13 Polyclonal Antibody

Cat #: ABP56917

Size: 30µl /100µl /200µl

Product Information

	Product Name: USP13 Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse		
REF	Catalog Number: ABP56917	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Ubiquitinating enzymes (UBEs) catalyze protein ubiquitination, a reversible process countered by deubiquitinating enzyme (DUB) action. Five DUB subfamilies are recognized, including the USP, UCH, OTU, MJD, and JAMM enzymes. Ubiquitin carboxyl-terminal hydrolase 13 (USP13; isopeptidase T-3) contains four ubiquitin-associated/translation elongation factor EF1B, amino terminal (UBA) domains and one ubiquitin-specific processing protease (UBP) domain. The UBP domain of USP13 contains a catalytic site, a zinc finger domain, and two UBA domains. Similar to other USP family members, USP13 contains cysteines and histidines that are likely involved in its catalytic mechanism. Studies show that USP13 plays a critical role in autophagy through the deubiquitination of target proteins such as BECN1 and USP10. Research also suggests that USP13 is implicated in the pathogenesis of melanoma through its ability to regulate the ubiquitination status of MITF.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:40000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

