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32-6035: Mouse Anti Human Ubiquitin Conjugating Enzyme E2S(Clone:PAT2N6AT.)

Clonality :	Monoclonal
Clone Name :	PAT2N6AT.
Application :	ELISA,WB ,FACS
Gene :	UBE2S
Gene ID :	27338
Uniprot ID :	Q16763
Format :	Purified
Alternative Name :	Ubiquitin-conjugating enzyme E2 S,Ubiquitin-protein ligase S,Ubiquitin carrier protein S,Ubiquitin-conjugating enzyme E2-24 kDa,E2-EPF5,E2-EPF,UBE2S,E2EPF,EPF5.
Isotype :	Mouse IgG2a heavy chain and ? light chain.
Immunogen Information :	Anti-human UBE2S mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human UBE2S amino acids 1-222 purified from E. coli.

Description

Ubiquitin-conjugating enzyme E2S (UBE2S) belongs to the ubiquitin-conjugating enzyme family. UBE2S is able to form a thiol ester linkage with ubiquitin in a ubiquitin activating enzyme-dependent manner, a typical property of ubiquitin carrier proteins. UBE2S catalyzes the covalent attachment of ubiquitin to other proteins. UBE2S acts as a crucial factor of the anaphase promoting complex/cyclosome (APC/C), which is a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. UBE2S acts by purposely elongating ''Lys-11''-linked polyubiquitin chains initiated by the E2 enzyme UBE2C/UBCH10 on APC/C substrates, augmenting the degradation of APC/C substrates by the proteasome and promoting mitotic exit. UBE2S also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is nevertheless uncertain whether UBE2D1/UBCH5 acts as an E2 enzyme for the APC/C in vivo. UBE2S is also involved in ubiquitination and consequent degradation of VHL, resu

Product Info

Amount :	20 µg
Purification :	UBE2S antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

UBE2S antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:250.