



UBP21 rabbit pAb

Catalog No	YP-Ab-08015
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	USP21 USP23 PP1490
Immunogen	Synthesized peptide derived from human UB21 AA range: 50-100
Specificity	This antibody detects endogenous levels of UB21 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.129% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Deubiquitinating enzyme 21; deubiquitinating enzyme 23; EC 3.1.2.15; ESTM28; MGC3394; NEDD8-specific protease; Ubiquitin carboxyl terminal hydrolase 21; ubiquitin carboxyl terminal hydrolase 23; Ubiquitin carboxyl-terminal hydrolase 21; ubiquitin specific peptidase 21; Ubiquitin specific processing protease 21; ubiquitin specific protease 16; ubiquitin specific protease 21; ubiquitin specific protease 23; Ubiquitin thioesterase 21; Ubiquitin thiolesterase 21; ubiquitin thiolesterase 23; ubiquitin-specific protease 23; formerly; Ubiquitin-specific-processing protease 21; UB21_HUMAN; USP16; Usp21; USP23; W53272; UB21; USP21 USP23 PP1490; Ubiquitin carboxyl-terminal hydrolase 21 (EC 3.4.19.12) (Deubiquitinating enzyme 21) (Ubiquitin thioesterase 21) (Ubiquitin-specific-processing protease 21)
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Highly expressed in heart, pancreas and skeletal muscle. Also expressed in brain, placenta, liver and kidney, and at very low level in lung.



Function

catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,
function:Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A releases the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation. Regulates gene expression via histone H2A deubiquitination (By similarity). Also capable of removing NEDD8 from NEDD8 conjugates but has no effect on Sentrin-1 conjugates.,
similarity:Belongs to the peptidase C19 family. USP21 subfamily.,tissue specificity:Highly expressed in heart, pancreas and skeletal muscle. Also expressed in brain, placenta, liver and kidney, and at very low level in lung.,

Background

This gene encodes a member of the C19 peptidase family, also known as family 2 of ubiquitin carboxy-terminal hydrolases. The encoded protein cleaves ubiquitin from ubiquitinated proteins for recycling in intracellular protein degradation. The encoded protein is also able to release NEDD8, a ubiquitin-like protein, from NEDD8-conjugated proteins. This gene has been referred to as USP16 and USP23 but is now known as USP21. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016],

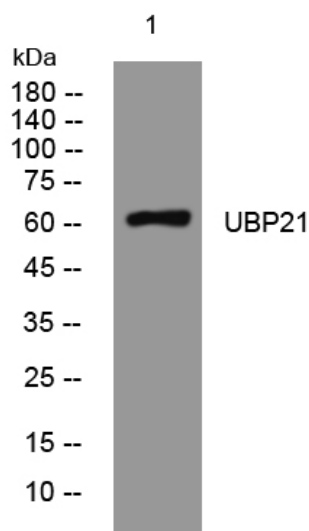
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HeLa cells,
primary antibody was diluted at 1:1000, 4° over night