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USP17L24 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5491b

Product Information

Application	IHC-P-Leica, IF, WB, FC, E
Primary Accession	Q0WX57
Other Accession	C9JPN9, D6RA61, D6R901, D6RJB6, D6RCP7, D6R9N7, D6RBQ6, C9J2P7, C9JLJ4, C9JVI0, A8MUK1, XP_001130410.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26955
Calculated MW	59711
Antigen Region	496-524

Additional Information

Gene ID	728369;728373;728379;728393;728400;728405;728419
Other Names	Ubiquitin carboxyl-terminal hydrolase 17-like protein 24, Deubiquitinating enzyme 17, Ubiquitin thioesterase 17, Ubiquitin-specific-processing protease 17, USP17L24
Target/Specificity	This USP17L24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 496-524 amino acids from the C-terminal region of human USP17L24.
Dilution	IHC-P-Leica~~1:500 IF~~1:25 WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	USP17L24 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

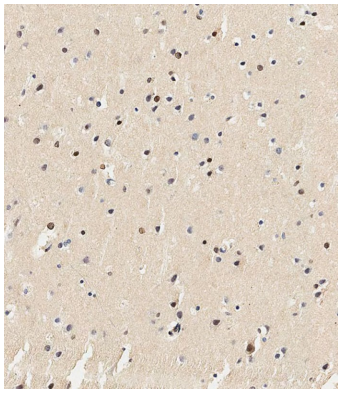
Name	USP17L24

Function	Deubiquitinating enzyme that removes conjugated ubiquitin from specific proteins to regulate different cellular processes that may include cell proliferation, progression through the cell cycle, apoptosis, cell migration, and the cellular response to viral infection.
Cellular Location	Nucleus, nucleolus. Endoplasmic reticulum
Tissue Location	Expressed in heart, brain, liver and skeletal muscle.

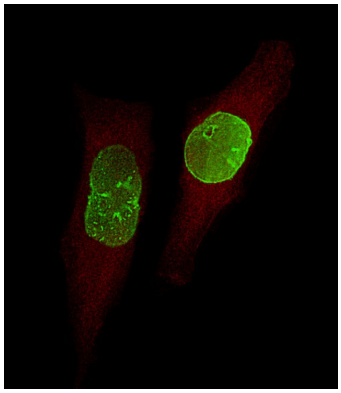
Background

UBP17 recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquinated proteins (By similarity).

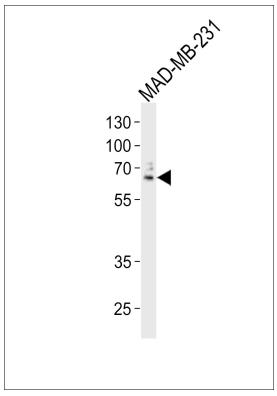
Images



Immunohistochemical analysis of paraffin-embedded Human brain tissue using AP5491b performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

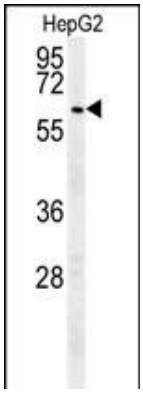


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized U-251 MG cells labeling USP17L24 with AP5491b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Nucleus staining on U-251 MG cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin(red). The nuclear counter stain is DAPI (blue).

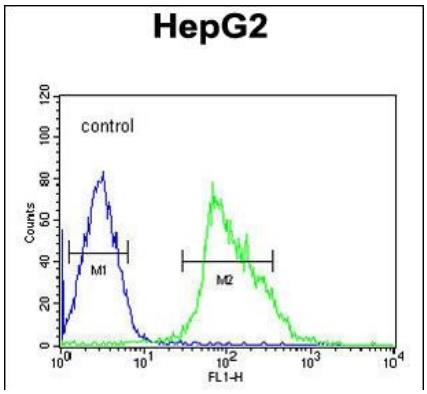


Western blot analysis of lysate from MAD-MB-231 cell line, using USP17 Antibody (C-term)(Cat. #AP5491b). AP5491b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

UBP17 Antibody (C-term) (Cat.#AP5491b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the UBP17 antibody detected the UBP17



protein (arrow).



UBP17 Antibody (C-term) (Cat. #AP5491b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Deubiquitinating enzymes USP4 and USP17 finetune the trafficking of PDGFRβ and affect PDGF-BB-induced STAT3 signalling
- Ubiquitin-specific peptidase 17 promotes cisplatin resistance via PI3K/AKT activation in non-small cell lung cancer
- USP17 Suppresses Tumorigenesis and Tumor Growth through Deubiquitinating AEP.
- Expression and functional implications of USP17 in glioma.
- Suppression of Ubiquitin-Specific Peptidase 17 (USP17) Inhibits Tumorigenesis and Invasion in Non-Small Cell Lung Cancer Cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.