

Rabbit anti-Human USP19 Polyclonal Antibody | anti-USP19 antibody

USP19 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163016	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

USP19; Polyclonal Antibody; USP19 Rabbit anti-Human Polyclonal Antibody; PathPlus USP19 Antibody; KIAA0891; Ubiquitin thioesterase 19; Ubiquitin thiolesterase 19; Deubiquitinating enzyme 19; Ubiquitin specific protease 19; ZMYND9; anti-USP19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-USP19 antibody	IHC (Immunohistochemistry)
Target	Human USP19
Immunogen	LP-10982, synthetic peptide
Conjugation	Unconjugated
Family	Protease
Subfamily	Cysteine C19
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



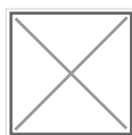
IHC (Immunohistochemistry)

USP19 Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



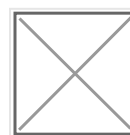
IHC (Immunohistochemistry)

USP19 Antibody-Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

USP19 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

USP19 Antibody-Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-USP19 antibody	USP19 antibody is an unconjugated rabbit polyclonal antibody to USP19 from human. USP19 is a deubiquitinating enzyme that regulates the degradation of various proteins such as RNF123, which stimulates CDKN1B ubiquitin-dependent degradation and impacts cell proliferation. It is required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non-catalytic manner. USP19 is important for regulating the expression and quality control of misfolded polyQ-expanded proteins. Additionally, USP19 decreases protein synthesis in atrophying skeletal muscle, represses myogenesis and regulates the transcription of major myofibrillar proteins. Because USP19 regulates and can inhibit muscle cell differentiation, it is a potential target of inhibition therapy as a means to increase post-injury muscle growth. Furthermore, USP19 deubiquitinates a number of proteins including HDAC1 and HDAC2 that are pivotal for DNA repair and maintenance of chromosomal stability, and thus loss of USP19 is thought to contribute to genomic instability and to play a role in tumorigenesis. In immunohistochemistry of normal tissue, USP19 has cytoplasmic (endoplasmic reticulum) positivity in a majority of tissues throughout the body, with high expression in skeletal muscle.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; PLoS One. 2016 Jan 25;11(1):e0147515, PMID: 26808260; Mol Biol Cell. 2015 Mar 1;26(5):913-23, PMID: 25568336; Oncotarget. 2017 Jan 10; 8(2): 2197 -2208, PMID: 27517492

NCBI AND UNIPROT INFORMATION

NCBI GeneID	10869
UniProt Accession #	O94966
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 19
UniProt Gene Name	USP19
UniProt Synonym Gene Names	KIAA0891; ZMYND9
UniProt Entry Name	UBP19_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp19-antibody-immunohistochemistry-elisa/163016>