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Rabbit Anti-USP22 antibody

SL8611R

Product Name:	USP22
Chinese Name:	去Ubiquitin化酶22抗体
Alias:	Deubiquitinating enzyme 22; Ubiquitin carboxyl-terminal hydrolase 22; Ubiquitin thioesterase 22; Ubiquitin thiolesterase 22; Ubiquitin thiolesterase 8; Ubiquitin thiolesterase 8; Ubiquitin-specific processing protease 8; Ubiquitin-specific processing protease 8; Ubiquitin-specific-processing protease 22; UBP22_HUMAN; Usp22; USP3L.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,Xenopus laevis
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human USP22:121-220/525
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls

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	many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP22 (ubiquitin specific peptidase 22), also known as USP3L, is a 525 amino acid protein that contains one UBP-type zinc finger and functions to catalyze the conversion of a ubiquitin C-terminal thioester to free ubiquitin and thiol, a reaction that may influence several cellular processes. Via its catalytic activity, USP22 is thought to play an important role in cell cycle progression and may also serve as a cancer stem cell marker. **Function:** Histone deubiquitinating component of the transcription regulatory histone acetylation (HAT) complex SAGA. Catalyzes the deubiquitination of both histones H2A and H2B, thereby acting as a coactivator. Recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation and cell cycle progression. **Subunit:** Component of some SAGA transcription coactivator-HAT complexes, at least composed of ATXN7, ATXN7L3, ENY2, GCN5L2, SUPT3H, TAF10, TRRAP and USP22. Within the SAGA complex, ATXN7L3, ENY2 and USP22 form a subcomplex required for histone deubiquitination. Interacts directly with ATXN7L3; leading to its recritment to the SAGA complex. **Subcellular Location:** Nucleus. **Tissue Specificity:** Moderately expressed in various tissues including heart and skeletal muscle, and weakly expressed in lung and liver. **Similarity:** Belongs to the peptidase C19 family. UBP8 subfamily. Contains 1 UBP-type zinc finger. **SWISS:** Q9UPT9 **Gene ID:** 23326 **Database links:** Entrez Gene: 23326Human Entrez Gene: 216825Mouse Entrez Gene: 303201Rat

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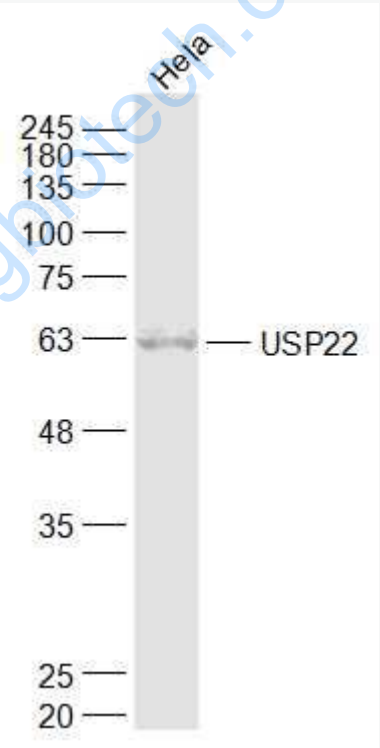
	Omim: 612116Human SwissProt: Q9UPT9Human SwissProt: Q5DU02Mouse Unigene: 462492Human Unigene: 30602Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti-USP22 (SL8611R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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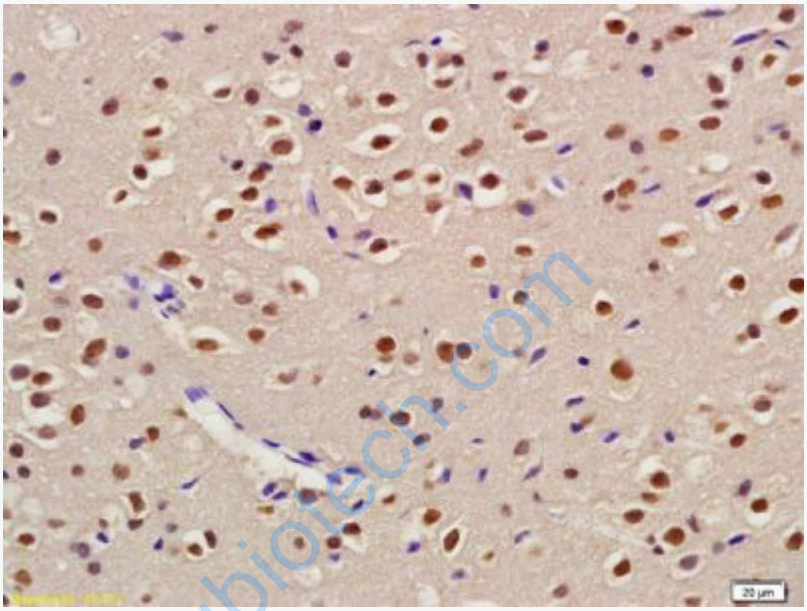
Predicted band size: 60 kD

Observed band size: 63 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-USP22 Polyclonal Antibody, Unconjugated(SL8611R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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