

USP25 Polyclonal Antibody

Catalog NumberPA5-38034

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	17 amino acid peptide near the center of human USP25	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1-2 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A recommended positive control is mouse brain tissue lysate. Multiple isoforms of USP25 are known to exist.

Background/Target Information

Modification of target proteins by ubiquitin participates in a wide array of biological functions. Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),¹ OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.

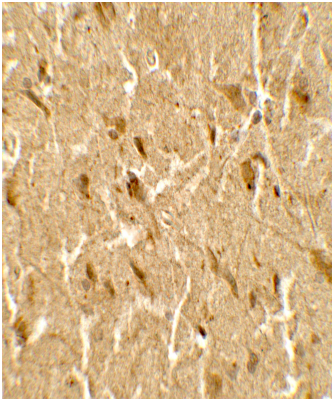
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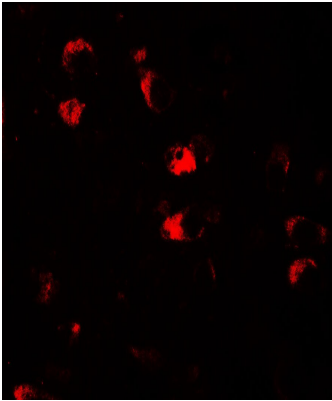
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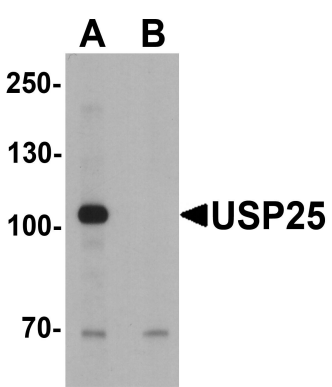
Product Images For USP25 Polyclonal Antibody



USP25 Antibody (PA5-38034) in IHC
Immunohistochemistry of USP25 in human brain tissue with USP25 Polyclonal Antibody (Product # PA5-38034) at 5 μ g/mL.



USP25 Antibody (PA5-38034) in IHC
Immunofluorescence of USP25 in human brain tissue with USP25 Polyclonal Antibody (Product # PA5-38034) at 20 μ g/mL.



USP25 Antibody (PA5-38034) in WB
Western Blot analysis of USP25 in mouse brain tissue lysate with USP25 Polyclonal Antibody (Product # PA5-38034) at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

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