

FBXL20 Polyclonal Antibody

Catalog NumberPA5-20485

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	An 18 amino acid peptide near the carboxy terminus of the human SCRAPPER.	Immunohistochemistry (IHC)	2.5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	0.5-1 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 suggested positive control is A-20 cell lysate. PA5-20485 can be used with blocking peptide PEP-0605.

Background/Target Information

Members of the F-box protein family, such as Scraper, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1, cullin, and F-box proteins, act as protein-ubiquitin ligases. Scraper is selectively expressed in the brain, broadly expressed within the mouse CNS and is abundant at presynaptic membrane. Scraper has orthologs in C. elegans, D. melanogaster, and mammals which suggests that it might function as an important membrane-localized E3 ligase in various species. Scraper is a major presynaptic E3 ubiquitin ligase that acts through RIM1a via degradation and the ubiquitin-proteasome-system (UPS) pathway to critically regulate synaptic transmission. This identifies protein degradation as a mechanism for holding synaptic communication in check.

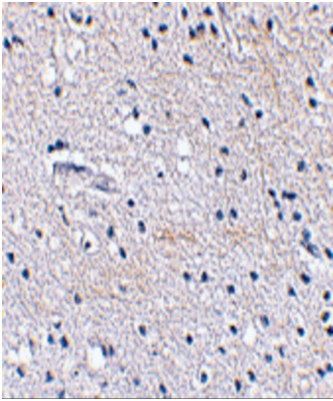
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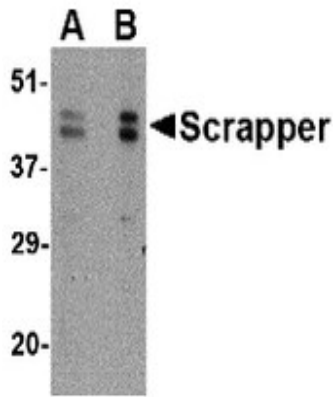
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Product Images For FBXL20 Polyclonal Antibody



**FBXL20 Antibody (PA5-20485) in IHC**  
Immunohistochemical staining of human brain tissue using FBXL20 Polyclonal Antibody (Product # PA5-20485) at 2.5 µg/mL.



**FBXL20 Antibody (PA5-20485) in WB**  
Western Blot analysis of SCRAPPER in A20 cell lysate with FBXL20 Polyclonal Antibody (Product # PA5-20485) at (A) 0.5 and (B) 1 µg/mL.

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