



[Go to Product page](#)

Datasheet for ABIN500692

anti-FBXL20 antibody (N-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	FBXL20
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBXL20 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	FBXL20 antibody was raised against a 18 amino acid peptide near the amino terminus of the human FBXL20.
Isotype:	IgG
Specificity:	This antibody detects FBXL20 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	FBXL20
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Target Details

Alternative Name: [FBXL20 \(FBXL20 Products\)](#)

Background: Members of the F-box protein family, such as Scrapper, 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. Scrapper is selectively expressed in the brain, broadly expressed within the mouse CNS and is abundant at presynaptic membrane. Scrapper 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. Scrapper 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. Synonyms: F-box and leucine-rich repeat protein 20, F-box/LRR-repeat protein 2-like, F-box/LRR-repeat protein 20, FBL2

Gene ID: 84961

NCBI Accession: [NP_116264](#)

UniProt: [Q96IG2](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

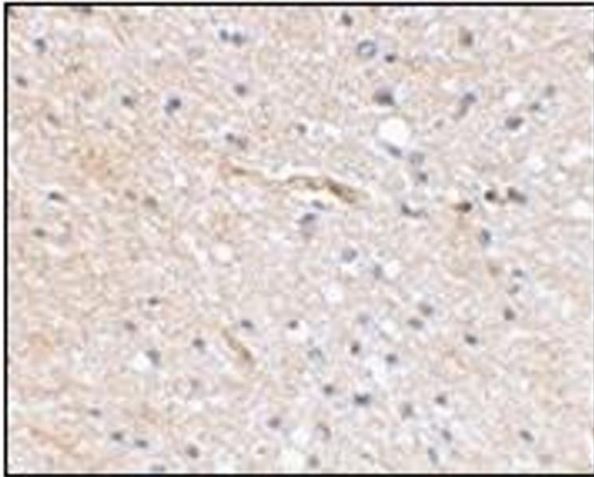
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

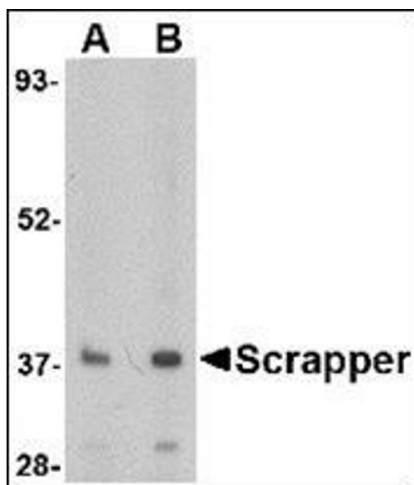
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30769PU-N at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of SCRAPPER in A20 cell lysate with this product at (A) 0.5 and (B) 1 µg/ml.