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### Datasheet for ABIN6990961

## anti-Calpain 6 antibody (C-Term)

Overview	
Quantity:	0.1 mg
Target:	Calpain 6 (CAPN6)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)
Product Details	
Immunogen:	CAPN6 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human CAPN6. The immunogen is located within the last 50 amino acids of CAPN6.
Isotype:	IgG
Purification:	CAPN6 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	Calpain 6 (CAPN6)
Alternative Name:	CAPN6 (CAPN6 Products)
Background:	CAPN6 Antibody: Calpains make up a ubiquitously expressed, well-conserved family of calcium-

dependent cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. This large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes as their activation can be triggered by calcium influx and oxidative stress. Calpain 6 (CAPN6) is most similar to Calpain 5, the C-terminal region of CAPN6 lacks homology to the calmodulin-like domain of other vertebrate calpains. CAPN6 is thought to be involved in the regulation of microtubule dynamics and cytoskeletal organization. CAPN6 has also been recently identified as an HIV dependency factor (HDF), suggesting that CAPN6 may be an important drug target in HIV treatment.

Gene ID: 827

NCBI Accession: NP\_055104

UniProt: Q9Y6Q1

#### **Application Details**

Application Notes: CAPN6 antibody can be used for the detection of StrepII by Western blot at 0.5 - 1 µ,g/mL.

Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For

immunofluorescence start at 20 μ,g/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and

Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

#### Handling

F	Limited.
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CAPN6 Antibody is supplied in 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.
Storage:	-20 °C,4 °C
Storage Comment:	CAPN6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. A

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.