



## Rabbit Anti-Calpain 14 antibody

SL11720R

<b>Product Name:</b>	Calpain 14
<b>Chinese Name:</b>	钙激活蛋白酶14抗体
<b>Alias:</b>	Calcium-activated neutral proteinase 14; Calpain-14; CAN14_HUMAN; CANP 14; CAPN14.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	80kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Calpain 14:151-250/684
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Calpains are a family of cytosolic calcium-activated cysteine proteases involved in a variety of cellular processes including apoptosis, cell division, modulation of integrin-cytoskeletal interactions, and synaptic plasticity (Dear et al., 2000 [PubMed 10964513]). CAPN14 belongs to the calpain large subunit family.  <b>Function:</b>

Calcium-regulated non-lysosomal thiol-protease.

**Similarity:**

Belongs to the peptidase C2 family.  
Contains 1 calpain catalytic domain.  
Contains 3 EF-hand domains.

**SWISS:**

A8MX76

**Gene ID:**

440854

**Database links:**

[Entrez Gene: 440854](#)Human

[Omin: 610229](#)Human

[SwissProt: A8MX76](#)Human

[Unigene: 468059](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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