

## Datasheet: VPA00912

<b>Description:</b>	RABBIT ANTI CALPAIN-10
<b>Specificity:</b>	CALPAIN-10
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<p>0.09% Sodium Azide</p> <p>&lt;50% Glycerol</p>
<b>Immunogen</b>	Recombinant protein of human calpain-10

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9HC96</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">11132</a> CAPN10 <a href="#">Related reagents</a>
<b>Synonyms</b>	KIAA1845
<b>Specificity</b>	<p><b>Rabbit anti Human calpain-10 antibody</b> recognizes calpain-10, also known as calcium-activated neutral proteinase 10 and calpain-like protease CAPN10.</p> <p>The calpains represent a ubiquitous, well-conserved family of calcium-dependent cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large catalytic subunit has four domains: domain I, the N-terminal regulatory domain that is processed upon calpain activation; domain II, the protease domain; domain III, a linker domain of unknown function; and domain IV, the calmodulin-like calcium-binding domain. CAPN10 encodes a large subunit. It is an atypical calpain in that it lacks the calmodulin-like calcium-binding domain and instead has a divergent C-terminal domain. It is similar in organization to calpains 5 and 6. CAPN10 is associated with type 2 or non-insulin-dependent diabetes mellitus (NIDDM), and is located within the NIDDM1 region. Multiple alternative transcript variants have been described for CAPN10 (provided by RefSeq, Sep 2010).</p> <p>Rabbit anti Human calpain-10 antibody detects bands of 58 and 75 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti calpain-10 antibody recognizes bands of approximately 58 and 75 kDa in HepG2 cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00912">https://www.bio-rad-antibodies.com/SDS/VPA00912</a> 10049
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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