

## Datasheet: VPA00011

<b>Description:</b>	RABBIT ANTI ANNEXIN II
<b>Specificity:</b>	ANNEXIN II
<b>Other names:</b>	Lipocortin II
<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
ELISA	▪			
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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.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.

### Product Form

Purified IgG - liquid.

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>).

<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	6x His-tagged full-length recombinant human ANXA2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P07355</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">302</a> ANXA2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	ANX2, ANX2L4, CAL1H, LPC2D
<b>Specificity</b>	<p><b>Rabbit anti Human annexin II antibody</b> recognizes human annexin II also known as annexin A2 (ANXA2), lipocortin 2, chromobindin-8 or placental anticoagulant protein IV. Annexin II is a 339 amino acid secreted protein containing 4 <a href="#">annexin repeats</a>. Annexin II is a pleiotropic calcium-dependent phospholipid-binding protein and member of the annexin family, abundantly expressed in a variety of tissues including the brain, spleen, kidney and placenta. The protein can exist in a monomer, heterodimer or heterotetramer form.</p> <p>Annexin II acts as an autocrine factor, enhancing the formation of osteoclasts and resorption of bone, and is implicated in both exocytosis and endocytosis. Annexin II is a substrate for both tyrosine and serine/threonine kinases, and is phosphorylated following growth factor stimulation and cellular activation by viral transformation (<a href="#">Brambilla et al. 1991</a>).</p> <p>Rabbit anti Human annexin II antibody recognizes annexin II as a single band of ~39 kDa in A549 cell line lysates by western blotting under reducing conditions. It also cross reacts with rodent cell line lysates tested.</p>
<b>Western Blotting</b>	Anti annexin II antibody detects a band of approximately 39 kDa in A549 cell lysates.
<b>Further Reading</b>	1. Moss, S.E. & Morgan, R.O. (2004) The annexins. <a href="#">Genome Biol. 5 (4): 219.</a>
<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 #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M399990:220705'

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