

Datasheet: VPA00011

Description:	RABBIT ANTI ANNEXIN II
Specificity:	ANNEXIN II
Other names:	Lipocortin II
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen 6x His-tagged full-length recombinant human ANXA2

External Database Links

UniProt:
[P07355](#) [Related reagents](#)

Entrez Gene:
[302](#) ANXA2 [Related reagents](#)

Synonyms ANX2, ANX2L4, CAL1H, LPC2D

Specificity

Rabbit anti Human annexin II antibody 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 [annexin repeats](#). 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.

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 ([Brambilla et al. 1991](#)).

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.

Western Blotting Anti annexin II antibody detects a band of approximately 39 kDa in A549 cell lysates.

Further Reading 1. Moss, S.E. & Morgan, R.O. (2004) The annexins. [Genome Biol. 5 \(4\): 219.](#)

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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

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