

## Datasheet: PHP227

<b>Description:</b>	RECOMBINANT HUMAN ANNEXIN II
<b>Name:</b>	ANNEXIN II
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	25 µg

## 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 - 5ug/lane

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - liquid
<b>Preparation</b>	Purified recombinant 6xHis-tagged ANXA2 expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	<0.1 ng/ug
<b>Approx. Protein Concentrations</b>	0.1 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="http://www.uniprot.org/entry/P07355">P07355</a> <a href="#">Related reagents</a>

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

<b>Synonyms</b>	ANX2, ANX2L4, CAL1H, LPC2D
<b>Product Information</b>	Annexin II (ANXA2), otherwise known as Lipocortin II, is a pleiotropic calcium-dependent phospholipid-binding protein and member of the annexin family, which acts as an autocrine factor, enhancing the formation of osteoclasts and resorption of bone, and is implicated in both exocytosis and endocytosis. ANXA2 is a substrate for both tyrosine and serine/threonine kinases, and is phosphorylated following growth factor stimulation and cellular activation by viral transformation.
<b>Protein Molecular Weight</b>	41.3 kDa (361 amino acid residues with tag)
<b>References</b>	1. Lee, J. <i>et al.</i> (2021) Data on G-quadruplex topology, and binding ability of G-quadruplex forming sequences found in the promoter region of biomarker proteins and those relations to the presence of nuclear localization signal in the proteins. <a href="#">Data Brief. 36: 107028.</a>
<b>Storage</b>	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	His-tag is a registered trademark of EMD Biosciences.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10209 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PHP227">https://www.bio-rad-antibodies.com/SDS/PHP227</a> 10209
<b>Regulatory</b>	For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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