Human Annexin A1 peptide

Overview

**Product name**
Human Annexin A1 peptide

**Nature**
Synthetic

**Accession**
P04083

**Species**
Human

**Specifications**

Our [Abpromise guarantee](#) covers the use of **ab47659** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Form**
Liquid

**Additional notes**
- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn’t dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

**Preparation and Storage**

**Stability and Storage**
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.
| Function | Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. |
| Sequence similarities | Belongs to the annexin family. |
| Contains 4 annexin repeats. |
| Domain | A pair of annexin repeats may form one binding site for calcium and phospholipid. |
| Post-translational modifications | Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. |
| Phosphorylation results in loss of the inhibitory activity. |

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