

Rabbit polyclonal antibody to Annexin V (88-102): Affinity purified

Catalogue No.:	R-1022-100
Description:	Annexin V, also known as Annexin A5, belongs to the annexin family of calcium dependent phospholipid binding proteins. Annexin V has roles in cellular signal transduction, inflammation, growth and differentiation. Annexin V has been shown to have a high affinity for phosphatidylserine (PS) and is therefore a potential probe for the detection of apoptosis.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide corresponding to a region (88-102 aa) from human Annexin V.
Other Names:	Annexin A5; Annexin 5; Lipocortin V; Endonexin II; Calphobindin I; PAP-I; PP4; VAC-alpha; Anchorin CII; CBP-I; ANX5; ENX2;
Accession:	P08758 ANXA5_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human Annexin V has a predicted length of 320 residues and a MW of 36 kDa. A concentration of 0.5-1 ug/mL is recommended to detect Annexin V in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase
Specific References:	Wei X et al. (2016) "Fatty acid synthesis configures the plasma membrane for inflammation in diabetes." Nature. [Epub ahead of print]. Application: WB. Species: Mouse.

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