# ANXA5 Conjugated Antibody

Catalog No: #C32405

Package Size: #C32405-AF350 100ul #C32405-AF405 100ul #C32405-AF488 100ul #C32405-AF555 100ul #C32405-AF594 100ul #C32405-AF647 100ul #C32405-AF680 100ul #C32405-AF750 100ul #C32405-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | ANXA5 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of total ANXA5 protein. |
| Immunogen Description | Recombinant protein of human ANXA5. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | ANX5;ENX2;PP4 |
| Accession No. | Swiss-Prot#:P08758NCBI Gene ID:308 |
| Uniprot | P08758 |
| GeneID | 308; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 36 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

Antibodies were purified by affinity purification using immunogen.

## Background

Annexin V, also known as PAP-1 or Lipocortin V, is a ~30 kDa protein that binds to phospholipids in a calcium-dependent manner (1). All annexins contain a putative PKC binding site, but only annexin V has been identified as an inhibitor of this pathway (2). It may also signal, by direct interaction with VEGFR2 receptor, in the regulation of vascular endothelial cell proliferation (3). Annexin V preferentially binds phosphatidylserine, in competition with prothrombin, leading to inhibition of blood coagulation at sites of injury preceding contact between lipid components and coagulation factors that initiate thrombosis (4-6). The ability of Annexin V to bind specifically and robustly to hosphatidylserine makes it an attractive reagent in detecting apoptotic cells (7). Annexin V is inducible by glucocorticoids and can be phosphorylated by tyrosine and serine/threonine kinases (8). It isthought to blockproduction of mediators of inflammation, such as prostaglandins and leukotrienes by inhibiting the release of arachidonic acid from membranes by phospholipase A2 (8).

Note: This product is for in vitro research use only