

## Product datasheet for **TA354173**

### Annexin IV (ANXA4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the N-terminus of human Annexin IV. This sequence is identical to human, mouse and rat.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~34 kDa
Gene Name:	annexin A4
Database Link:	<a href="#">NP_001144</a> <a href="#">Entrez Gene 11746 Mouse</a> <a href="#">Entrez Gene 79124 Rat</a> <a href="#">Entrez Gene 307 Human</a> <a href="#">P09525</a>



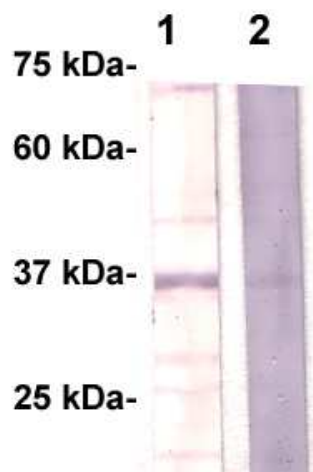
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**Background:**

The annexins are a family of highly homologous Calcium and phospholipid binding proteins. It is composed of at least ten mammalian genes. It is characterized by a conserved core domain which binds to phospholipids in a Ca<sup>2+</sup> dependent manner and a unique amino terminal region which may confer binding specificity. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis/exocytosis and cellular adhesion, Annexin IV, also referred to as endonexin, functions to regulate Cl<sup>-</sup> flux by mediating calmodulin kinase II (CaMKII) activity while Annexin V has been shown to regulate PKC activity. The expressive amounts of several annexins have been shown to alter in certain pathological states such as brain ischemia and Alzheimer's disease.

**Synonyms:**

ANX4; HEL-S-274; PIG28; ZAP36

**Product images:**

WB: Whole tissue lysate derived from mouse kidney was resolved onto 12% SDS-PAGE, transferred onto NC membrane, then immunoprobed by anti-Annexin IV antibody (Lane 1) or pre-depleted antibody by the immunizing peptide (lane 2) at 1:500. The immune-reactive band around ~34kDa was abolished.