

Basic Information

Product Name	Anti-Annexin A4/ANXA4 Antibody	
Gene Name	ANXA4	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS , 0.02% Na ₃ N , 1 mg BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Annexin IV(7-21aa TVKAASGFNAMEDAQ), different from the related mouse and rat sequences by one amino acid.	
concentration	500 ug/ml	
Observed MW	36KD	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:20-100 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Annexin IV, also known as placental anticoagulant protein II, or zymogen granule membrane-associated protein, 36-KD(ZAP36), is one of the family of calcium-dependent phospholipid-binding proteins whose normal function is uncertain. Annexin IV has 45 to 59% identity with other members of the annexin family. Annexin IV gene spans 18 to 56 kb. And it is located on mouse chromosome 6 in a region of conserved synteny with human chromosome 2. Rat annexin IV is ubiquitously expressed in epithelial tissues. Zap36 associated with zymogen granule membranes in dog and rat pancreas. Human annexin IV gene is mapped to chromosome 2p13.

Selected Validation Data

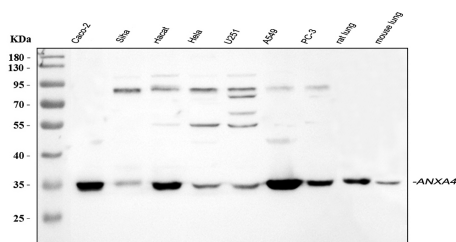


Figure 1. Western blot analysis of anti- ANXA4 antibody (PA1007-1).

The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: human Caco-2 whole cell lysates,

Lane 2: human SiHa whole cell lysates,

Lane 3: human Hec293T whole cell lysates,

Lane 4: human Hela whole cell lysates,

Lane 5: human U251 whole cell lysates,

Lane 6: human A549 whole cell lysates,

Lane 7: human PC-3 whole cell lysates,

Lane 8: rat lung tissue lysates,

Lane 9: mouse lung tissue lysates.

Use rabbit anti- ANXA4 1:1000, probed with a goat anti-rabbit IgG-

HRP secondary antibody. The signal is developed using an

Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002).

A specific band was detected for ANXA4 at approximately 36KD.

The expected band size for ANXA4 is at 36KD.