

Goat anti-Annexin A2 Antibody

Item Number	dAP-0059
Target Molecule	Principle Name: Annexin A2; Official Symbol: ANXA2; All Names and Symbols: ANXA2; Annexin A2; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; P36; PAP-IV; HEL-S-270; annexin II; lipocortin II; Annexin II (lipocortin I); annexin II (lipocortin II); calpactin I, heavy polypeptide (p36); annexin II (lipocortin II calpactin I, heavy polypep; Accession Number (s): NP_001002858.1; NP_004030.1; Human Gene ID(s): 302; Non-Human GeneID(s): 12306 (mouse) 56611 (rat)
Immunogen	STVHEILCKLSLEGD, is from N Terminus This antibody is expected to recognise both reported isoforms (NP_001002858.1; NP_004030.1). Variants NP_004030.1, NP_001002857.1 and NP_001129487.1 represent identical protein.
Applications	Pep ELISA, WB Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Approx 35kDa band observed in lysates of cell lines A549, HeLa and NIH3T3 (calculated MW of 38.6kDa according to NP_004030.1 and NP_001002857.1). Recommended concentration: 0.5-3µg/ml.
IHC	
Reference	Reference(s): Takahashi S, Reddy SV, Chirgwin JM, Devlin R, Haipek C, Anderson J, Roodman GD. Cloning and identification of annexin II as an autocrine/paracrine factor that increases osteoclast formation and bone resorption. <i>J Biol Chem</i> 1994 Nov 18;269(46):28696-701. PMID: 7961821->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**