

Mouse Annexin A2 Monoclonal Antibody | anti-A2 antibody

Annexin A2 (C-terminal region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71560	Mouse	Human, Rat, Mouse, Chicken	Immunohistochemistry, Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot

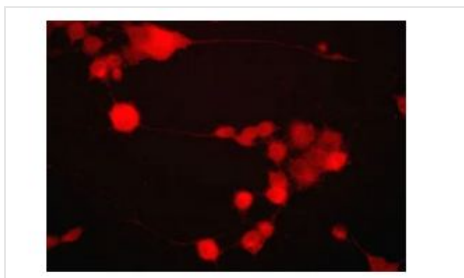
PRODUCT SYNONYMS

Annexin A2; Monoclonal Antibody; Annexin A2 (C-terminal region) Antibody; Annexin A2 (C-terminal region); Annexin A2 M298; anti-A2 antibody

PRODUCT SPECIFICATIONS

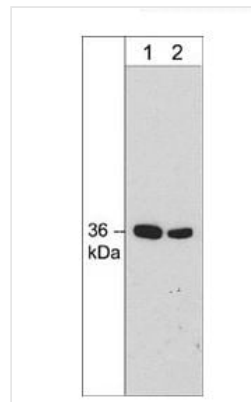
Host	Mouse
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M298
Specificity	This antibody detects a 36kDa* protein corresponding to the molecular mass of Annexin A2 on SDS-PAGE immunoblots of rat PC12 cells. The antibody has been shown to label Annexin A2 in immunocytochemical analysis of PC12 cells and immunohistochemical analysis of mouse diaphragm.
Form/Format	Mouse monoclonal, protein A purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-A2 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone (M298) was generated from a recombinant sequence that included amino acids in the C-terminal region of rat Annexin A2.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Annexin A2 in NGF-differentiated rat PC12 cells. The cells were fixed in paraformaldehyde and permeabilized using NP-40, then labeled with mouse monoclonal Annexin A2 (C-terminal region). The antibody was detected using goat anti-mouse DyLight 594.



WB (Western Blot)

Western blot of rat PC12 cell lysate. The blot was probed with mouse monoclonal anti-Annexin A2 antibody at 1:250 (lane 1) or 1:1000 (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-A2 antibody	The Annexin family of calcium-binding proteins is composed of at least thirteen mammalian genes (Annexin A1-13). These proteins are characterized by a conserved core domain which binds to phospholipids in a Ca ²⁺ -dependent manner and a unique amino terminal region which may confer binding specificity. The Annexin family has been implicated as regulators of such diverse processes as ion-flux, endocytosis and exocytosis, and cellular adhesion. Annexin A2 (calpactin I, chromobindin 8, p36, Lipocortin II, PAP-IV, or Protein I) is a cytoskeletal calcium-dependent phospholipid binding protein, which has been shown to be a mediator of corticosteroid activity, a substrate for serine/threonine kinases and growth regulated tyrosine kinases, and may play a role in secretion. Annexin A6 reverses transformation of A431 cells after overexpression, and this effect may involve annexin A6 targeting of p120 RasGAP to the plasma membrane to inactivate Ras.
References	Grewal, T. & Enrich, C. (2006) Bioessays 28(12):1211. Feinberg, J.M. et al. (1991) J Histochem & Cytochem. 39:955. Zokas, L. & Glenney, J.R. (1987) J Cell Biol. 105:2111.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9845234
NCBI GeneID	56611
NCBI Accession #	NP_063970.1
NCBI GenBank Nucleotide #	NM_019905.1
UniProt Accession #	Q07936
Molecular Weight	38,893 Da
NCBI Official Full Name	annexin A2
NCBI Official Synonym Full Names	annexin A2
NCBI Official Symbol	Anxa2
NCBI Official Synonym Symbols	ANX2
NCBI Protein Information	annexin A2
UniProt Protein Name	Annexin A2
UniProt Gene Name	Anxa2
UniProt Synonym Gene Names	Anx2; PAP-IV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/annexin-a2-antibody-clone-m298-immunohistochemistry-immunocytochemistry-immunoprecipitation-western-blot-elisa/71560>