



Annexin VI Polyclonal Antibody

Catalog No	YP-Ab-03704
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	ANXA6
Immunogen	The antiserum was produced against synthesized peptide derived from human Annexin A6. AA range:1-50
Specificity	Annexin VI Polyclonal Antibody detects endogenous levels of Annexin VI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Annexin A6;ANXA6;67 kDa calelectrin;Annexin 6;Annexin-6;Annexin VI;ANX6; Calphobindin-II;CPB-II;Chromobindin-20;Lipocortin VI;Protein III;p68;p70
Observed Band	75kD
Calculated Molecular Weight	75kD
Cell Pathway	Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Tissue Specificity	Adipocyte,Amygdala,Lung,Uterus,
Function	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,domain:A pair of annexin repeats may form one binding site for calcium and phospholipid., function:May associate with CD21. May regulate the release of Ca(2+) from intracellular stores.,induction:By EBV.,miscellaneous:Seems to bind one calcium ion with high affinity.,PTM:Phosphorylated in response to growth factor stimulation.,similarity:Belongs to the annexin family.,similarity:Contains 4 annexin repeats.,similarity:Contains 8 annexin repeats.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,

**Background**

Annexin VI belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2010],

matters needing attention

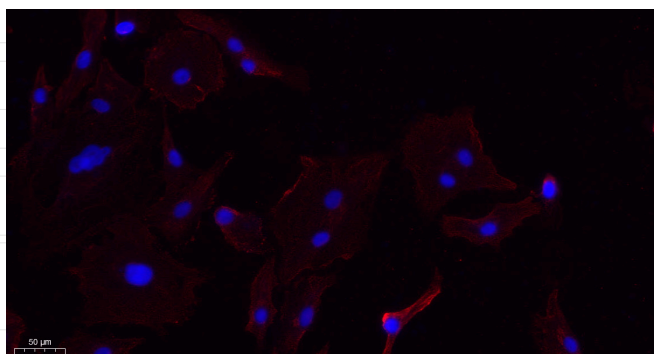
Avoid repeated freezing and thawing!

Usage suggestions

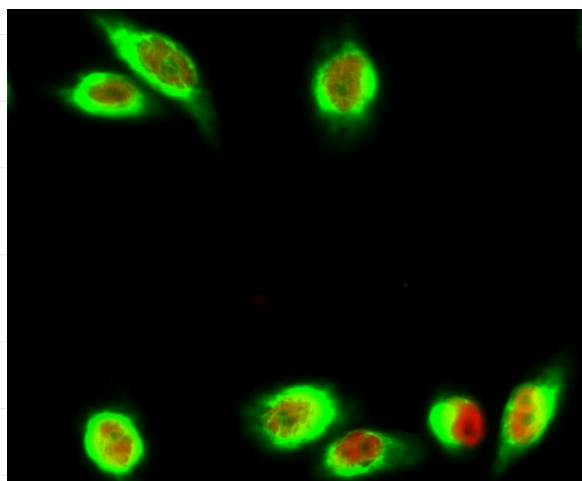
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



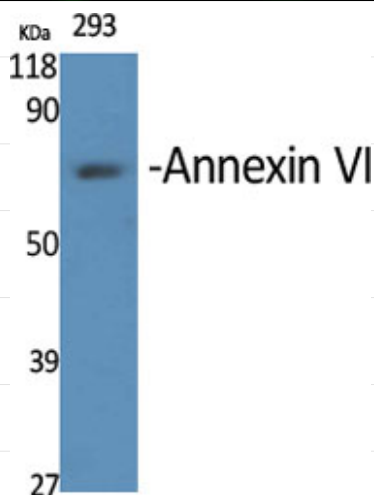
Products Images



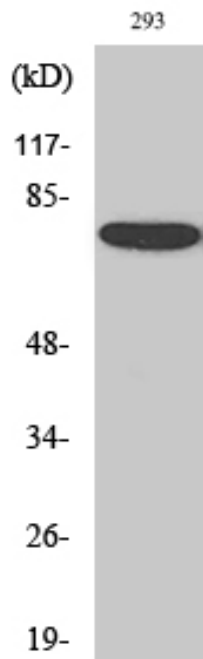
Immunofluorescence analysis of A549. 1, primary Antibody (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min.



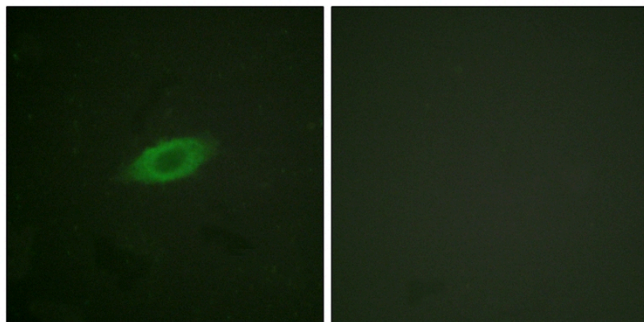
Immunofluorescence analysis of HeLa cell. 1, Annexin VI Polyclonal Antibody (green) was diluted at 1:200 (4°C overnight). (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog: RS3211 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 Catalog: RS3608 was diluted at 1:1000 (room temperature, 50min).



Western Blot analysis of various cells using Annexin VI Polyclonal Antibody diluted at 1:2000



Western Blot analysis of 293 cells using Annexin VI Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of HeLa cells, using Annexin A6 Antibody. The picture on the right is blocked with the synthesized peptide.