



# Annexin VI Monoclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | YP-mAb-03704   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | ANXA6  |
| <b>Protein Name</b>       | Annexin A6   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human Annexin A6. AA range:1-50  |
| <b>Specificity</b>        | Annexin VI Monoclonal Antibody detects endogenous levels of Annexin VI protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Monoclonal, Mouse,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-1:2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | ANXA6; ANX6; Annexin A6; 67 kDa calelectrin; Annexin VI; Annexin-6; Calphobindin-II; CPB-II; Chromobindin-20; Lipocortin VI; Protein III; p68; p70   |
| <b>Observed Band</b>      | 75kD   |
| <b>Cell Pathway</b>       | Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.   |
| <b>Tissue Specificity</b> | Adipocyte,Amygdala,Lung,Uterus,  |
| <b>Function</b>           | 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., |
| <b>Background</b>         | 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  |



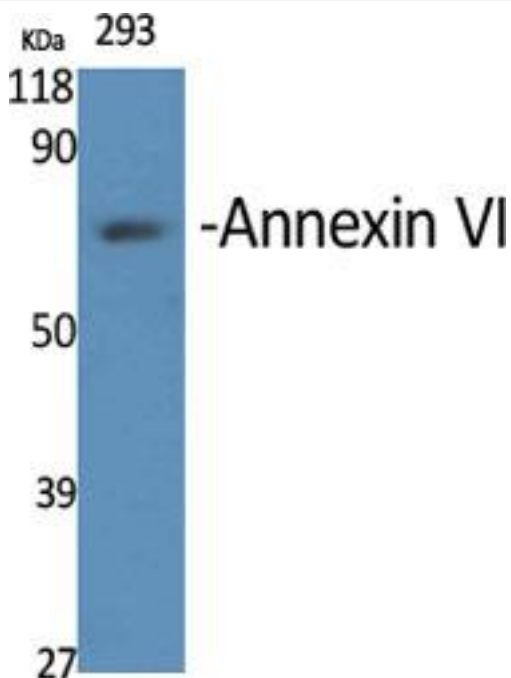
exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation 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**

Western Blot analysis of various cells using Annexin VI Monoclonal Antibody