Technical Data Sheet

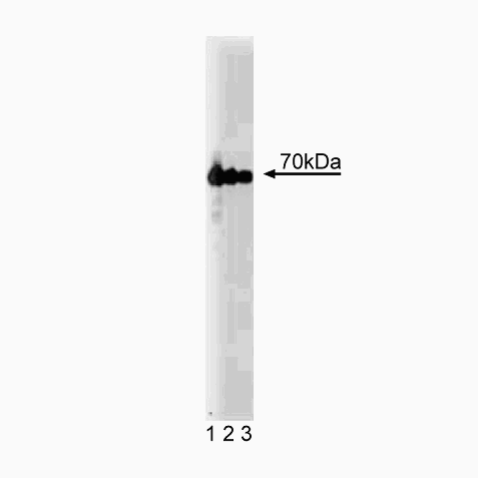
Purified Mouse Anti-Annexin VI

Product Information

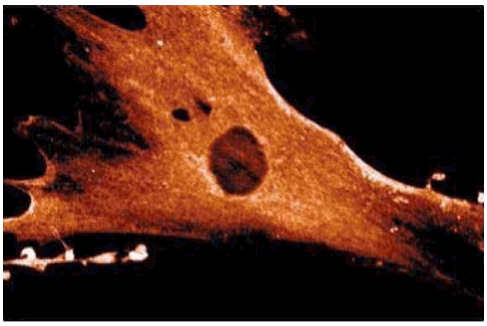
Material Number:	**610300**
Size:	50 µg
Concentration:	250 µg/ml
Clone:	73/Annexin VI
Immunogen:	Human Annexin VI aa. 1-673
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Rat
Target MW:	70 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Annexins are a widely expressed family of Ca[2+] and phospholipid-binding proteins. At least ten have been identified in mammalian tissues. They have also been identified in *Drosophila*, *Hydra*, and *Dictyostelium*. Annexin VI is a 70 kDa member of the annexin family. While most of the other annexin family members have a four amino acid sequence repeat, Annexin VI displays an eight residue repeat. It is a widely expressed protein, found in lymphocytes, neurons, and many other cell types. Work on annexins has addressed the possible role of Annexin VI in various stages of the endocytic pathway. Some studies suggest that Annexin VI is required for coated-vesicle budding. However, other research directly contradicts this data. Thus, the role of Annexin VI is still under investigation.



Western blot analysis of Annexin VI on a Jurkat cell lysate (Human T-cell leukemia; ATCC TIB-152). *Lane 1: 1:5000, lane 2: 1:10,000, lane 3: 1:20,000 dilution of the mouse anti-Annexin VI antibody.*



Immunofluorescence staining of WI-38 cells (Human lung fibroblasts; ATCC CCL-75).

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at -20°C.

Application Notes

Application

Western blot	Routinely Tested
Immunoprecipitation	Tested During Development
Immunofluorescence	Tested During Development
Immunohistochemistry	Not Recommended

Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/pharmingen/protocols/Western_Blotting.shtml

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Suggested Companion Products

Catalog Number	Name	Size	Clone
611451	Jurkat Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Babiychuk EB, Draeger A. Annexins in cell membrane dynamics. Ca(2+)-regulated association of lipid microdomains. *J Cell Biol.* 2000; 150(5):1113-1124. (Biology: Immunofluorescence, Western blot)

Babiychuk EB, Palstra RJ, Schaller J, Kampfer U, Draeger A. Annexin VI participates in the formation of a reversible, membrane-cytoskeleton complex in smooth muscle cells. *J Biol Chem.* 1999; 274(49):35191-35195.(Biology: Immunohistochemistry, Western blot)

Chen JS, Coustan-Smith E, Suzuki T. Identification of novel markers for monitoring minimal residual disease in acute lymphoblastic leukemia. *Blood.* 2001; 97(7):2115.(Biology: Flow cytometry)

Crompton MR, Moss SE, Crumpton MJ. Diversity in the lipocortin/calpactin family. *Cell.* 1988; 55(1):1-3.(Biology)

Yu W, Cassara J, Weller PF. Phosphatidylinositide 3-kinase localizes to cytoplasmic lipid bodies in human polymorphonuclear leukocytes and other myeloid-derived cells. *Blood.* 2000; 95(3):1078-1085.(Biology: Western blot)