Product datasheet

Anti-Annexin A2/ANXA2 Antibody (Clone#ABDG-1)

Catalog Number: *BM5129*

BOSTER
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Basic Information

Product Name	Anti-Annexin A2/ANXA2 Antibody (Clone#ABDG-1)
Gene Name	ANXA2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Annexin A2
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	36 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 Flow Cytometry (FCM): 1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Annexin A2 also known as annexin II is a protein that in humans is encoded by the ANXA2 gene. The ANXA2 gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. This protein is a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. Richard et al.(1994) presented an integration of the physical, expression, and genetic maps of human chromosome 15. They placed the ANXA2 gene in their region IV, i.e., 15q21-q22, thus confirming the previous localization.

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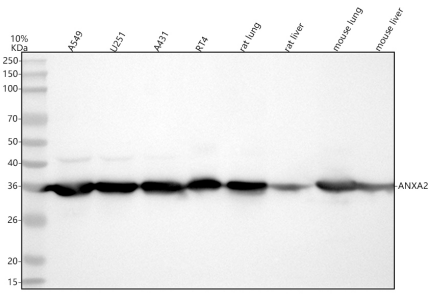
Selected Validation Data



Western blot analysis of anti-Annexin A2/ANXA2 antibody (BM5129). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A549 whole cell lysates,
Lane 2: human U251 whole cell lysates,
Lane 3: human A431 whole cell lysates,
Lane 4: human RT4 whole cell lysates,
Lane 5: rat lung tissue lysates,
Lane 6: rat liver tissue lysates,
Lane 7: mouse lung tissue lysates,
Lane 8: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Annexin A2/ANXA2 antigen affinity purified monoclonal antibody (BM5129) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Annexin A2/ANXA2 at approximately 36 kDa. The expected band size for Annexin A2/ANXA2 is at 39 kDa.