

Basic Information

Product Name	Anti-RUNX1/RUNX2/RUNX3 Antibody (Clone#DOG-18)	
Gene Name	RUNX1/RUNX2/RUNX3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, 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 RUNX1/RUNX2/RUNX3	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	51 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:50
	Flow Cytometry (FCM):	1:50

Storage

12 months from date of receipt, -20°C as supplied.

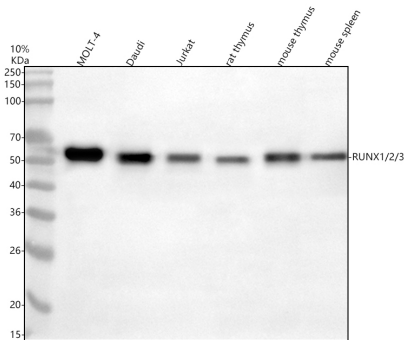
Background Information

Runt-related transcription factor 1 (RUNX1), also known as AML1 or CBFA2, is a protein that in humans is encoded by the RUNX1 gene. It belongs to the Runt-related transcription factor (RUNX) family of genes which are also called core binding factor- α (CBF α). RUNX1 is mapped to 21q22.12. RUNX1 is a transcription factor that regulates the differentiation of hematopoietic stem cells into mature blood cells. RUNX proteins form a heterodimeric complex with CBF β which confers increased DNA binding and stability to the complex. Chromosomal translocations involving the RUNX1 gene are associated with several types of leukemia including M2 AML. Mutations in RUNX1 are implicated in cases of breast cancer.

Reference

Anti-RUNX1/RUNX2/RUNX3 Antibody (Clone#DOG-18)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-RUNX1/RUNX2/RUNX3 antibody (BM4265).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human MOLT-4 whole cell lysates,

Lane 2: human Daudi whole cell lysates,

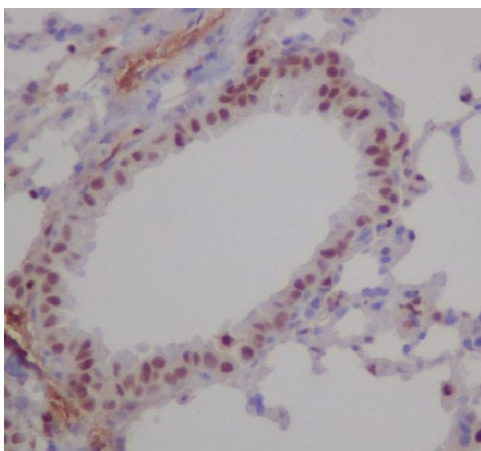
Lane 3: human Jurkat whole cell lysates,

Lane 4: rat thymus tissue lysates,

Lane 5: mouse thymus tissue lysates,

Lane 6: mouse spleen tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RUNX1/RUNX2/RUNX3 antigen affinity purified monoclonal antibody (BM4265) 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 RUNX1/RUNX2/RUNX3 at approximately 51 kDa. The expected band size for RUNX1/RUNX2/RUNX3 is at 51 kDa.



Immunohistochemical analysis of paraffin-embedded mouse lung, using RUNX1/RUNX2/RUNX3 Antibody.

Product datasheet

**Anti-RUNX1/RUNX2/RUNX3 Antibody
(Clone#DOG-18)**

Catalog Number: BM4265



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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