Anti-RUNX2 Antibody (Clone#HCO-18)

Catalog Number: *BM4700*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-RUNX2 Antibody (Clone#HCO-18)
Gene Name	RUNX2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF
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 RUNX2
Concentration	500ug/ml
Purification	Affinity-chromatography
Observed MW	57 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200

Storage

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

Background Information

RUNX2 regulates the transcription of various genes, including osteopontin, bone sialoprotein, and osteocalcin, via binding to the core site of the enhancers or promoters. RUNX2 is crucial for the maturation of osteoblasts and both intramembranous and endochondral ossification.

Reference

Anti-RUNX2 Antibody (Clone#HCO-18)被引用在10文献中。

Selected Validation Data

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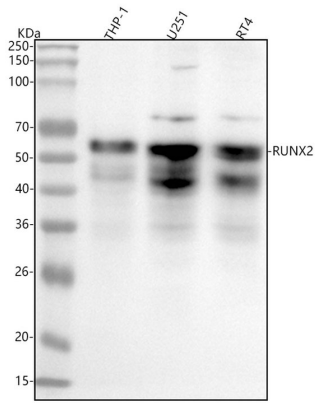
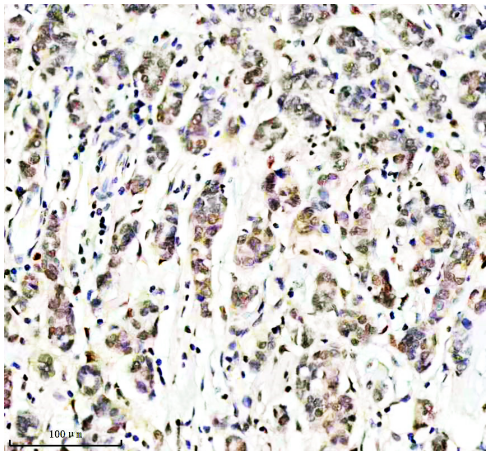
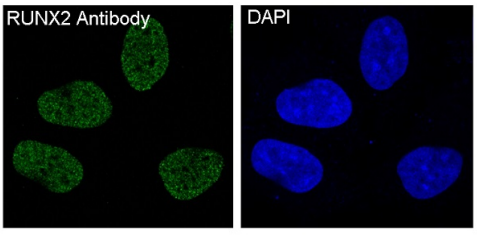


Western blot analysis of anti-RUNX2 antibody (BM4700). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human THP-1 whole cell lysates,
Lane 2: human U251 whole cell lysates,
Lane 3: human RT4 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RUNX2 antigen affinity purified monoclonal antibody (BM4700) 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 RUNX2 at approximately 57 kDa. The expected band size for RUNX2 is at 57 kDa.



IHC analysis of RUNX2 using anti-RUNX2 antibody (BM4700) . RUNX2 was detected in a paraffin-embedded section of human breast cancer tissue. The tissue section was incubated with rabbit anti-RUNX2 Antibody (BM4700) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



Immunofluorescent analysis of Saos-2 cells, using RUNX2 Antibody.