Product Datasheet

RUNX1/ RUNX2/ RUNX3 Antibody

Catalog No: CY5395 Reactivity: Human Mouse Rat

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP FC

www.abways.com

Information

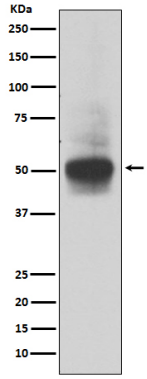
UniProt ID: Q01196/Q13950/Q13761
All Names: RUNX1; AML1; RUNX2; OSF2; RUNX3; CBFA3;
Form: Liquid
Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 51 kDa

Application

WB: 1:500~1:2000
IHC: 1:50~1:200
ICC/IF: 1:50~1:200
IP: 1:50

Background

AML1 (also known as Runx1, CBFA2, and PEBP2αB) is a member of the core binding factor (CBF) family of transcription factors. It is required for normal development of all hematopoietic lineages. AML1 forms a heterodimeric DNA binding complex with its partner protein CBFβ and regulates the expression of cellular genes by binding to promoter and enhancer elements. RUNX2 is a member of the RUNX family of transcription factors. It is involved in osteoblast differentiation and skeletal morphogenesis. RUNX2 regulates the transcription of various genes including osteopontin, bone sialoprotein, and osteocalcin via binding to the core site of the enhancers or promoters.RUNX3/AML2 is a member of the Runt family of transcription factors. RUNX3 is important for the suppression of cell proliferation in the gastric epithelium, neurogenesis of the dorsal root ganglia, and T cell differentiation.



Western blot analysis of RUNX1/RUNX2/RUNX3 expression in MOLT4 cell lysate.