

AML1(RUNX1) Antibody

Catalog No: #21477

Package Size: #21477-1 50ul #21477-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

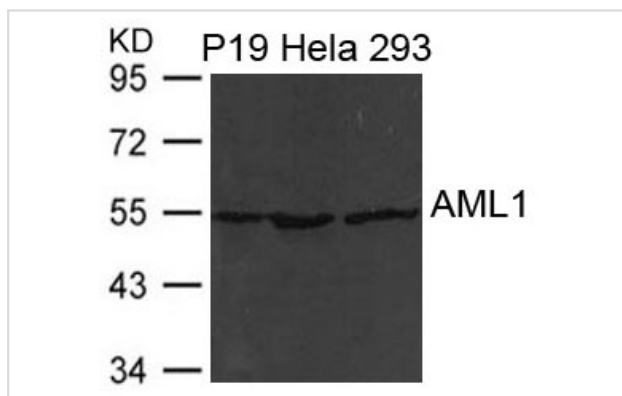
Product Name	AML1(RUNX1) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total AML1(RUNX1) protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.6~10(D-A-S-T-S) derived from Human AML1(RUNX1).
Target Name	AML1(RUNX1)
Other Names	CBFA2; EVI-1; AMLCR1
Accession No.	Swiss-Prot: Q01196NCBI Protein: NP_001116079.1
Uniprot	Q01196
GeneID	861;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 55kd

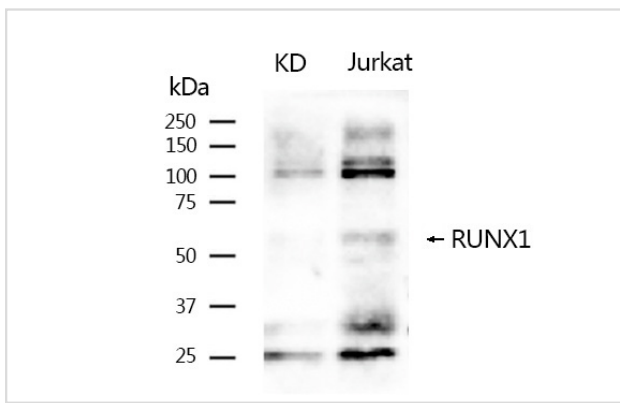
Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from P19, HeLa and 293 cells using AML1(RUNX1) Antibody #21477

Western blotting analysis using AML1(RUNX1) Antibody #21477.



Background

CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL-3 and GM-CSF promoters. The a subunit binds DNA and appears to have a role in the development of normal hematopoiesis. Isoform AML-1L interferes with the transactivation activity of RUNX1. Acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the mouse BLK promoter. Inhibits MYST4-dependent transcriptional activation.

Mao S., Frank R.C., Zhang J., Miyazaki Y., Nimer S.D. *Mol. Cell. Biol.* 19:3635-3644(1999)

Pelletier N., Champagne N., Stifani S., Yang X.-J. *Oncogene* 21:2729-2740(2002)

Cho J.-Y., Akbarali Y., Zerbini L.F., Gu X., Boltax J., Wang Y., Oettgen P., Zhang D.-E., Libermann T.A.J. *Biol. Chem.* 279:19512-19522(2004)

Note: This product is for in vitro research use only