BT LAB
Bioassay Technology Laboratory
Optimize Your Research

RUNX2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08060
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human RUNX2. AA range:229-278
Mol wt	56648
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	RUNX2 Antibody
Synonyms	RUNX2; AML3; CBFA1; OSF2; PEBP2A; Runt-related transcription factor 2; Acute myeloid leukemia 3 protein; Core-binding factor subunit alpha-1; CBF-alpha-1; Oncogene AML-3; Osteoblast-specific transcrip

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

RUNX2 is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. Runt-related transcription factor 2 is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing.

Recommended Dilution

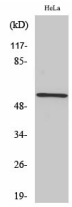
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

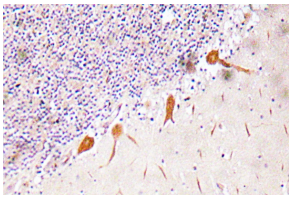
ELISA: 1: 10000

Not yet tested in other applications.

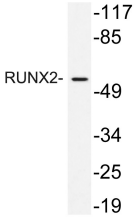
Images



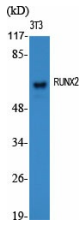
Western Blot analysis of HeLa cells using RUNX2 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of RUNX2 antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from HeLa cells, using RUNX2 antibody.



Western Blot analysis of various cells using RUNX2 Polyclonal Antibody diluted at 1:500

Storage

-20°C for one year

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