



RUNX3 Polyclonal Antibody

Catalog No	YP-Ab-02000
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	RUNX3
Immunogen	The antiserum was produced against synthesized peptide derived from human RUNX3. AA range:133-182
Specificity	RUNX3 Polyclonal Antibody detects endogenous levels of RUNX3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AML2;CBF alpha 3;CBFA3;CBF-alpha-3;Core-binding factor subunit alpha-3; RUNX3;Runt-related transcription factor 3;PEBP2A3;Acute myeloid leukemia 2 protein;Oncogene AML-2;Polyomavirus enhancer-binding protein 2 alpha C subunit;PEA2-alpha C;PEB
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	Nucleus . Cytoplasm . The tyrosine phosphorylated form localizes to the cytoplasm. Translocates from the cytoplasm to the nucleus following TGF-beta stimulation. .
Tissue Specificity	Expressed in gastric cancer tissues (at protein level).
Function	domain:A proline/serine/threonine rich region at the C-terminus is necessary for transcriptional activation of target genes.,function: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, Ick, IL-3 and GM-CSF promoters.,similarity:Contains 1 Runt domain.,subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit binds DNA as a monomer and through the Runt domain. DNA-binding is increased by heterodimerization.



Interacts with TLE1 and SUV39H1.,

Background

This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],

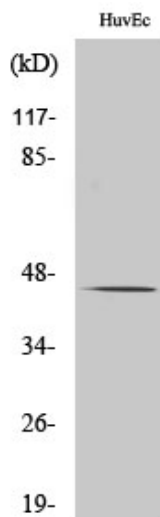
matters needing attention

Avoid repeated freezing and thawing!

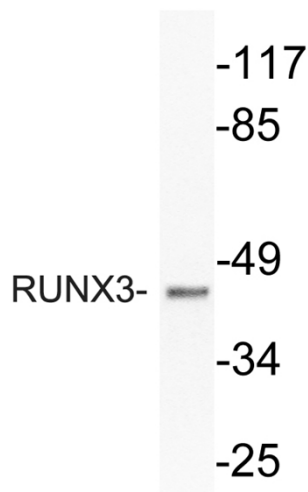
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using RUNX3 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysate from HUVEC cells, using RUNX3 antibody.