G-Biosciences Image not found or type unknown

Immunotag™ RUNX3 Antibody

Antibody Specification

Catalog No.	ITA5713
Product Description	Immunotag™ RUNX3 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RUNX3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	RUNX3 Antibody detects endogenous levels of total RUNX3
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RUNX3
Accession No.	Q13761

Antibody Specification

Alternate Names	Acute myeloid leukemia 2 protein; Acute myeloid leukemia gene 2; AML 2; AML2; CBF alpha 3; CBF-alpha-3; CBFA 3; CBFA3; Core binding factor alpha 3 subunit; core binding factor; Core binding factor runt domain alpha subunit 3; Core binding factor subunit alpha 3; core-binding factor; Core-binding factor subunit alpha-3; Oncogene AML 2; Oncogene AML-2; PEA2 alpha C; PEA2-alpha C; PEBP2 alpha C; PEBP2-alpha C; Pebp2a3; PEBP2aC; Polyomavirus enhancer binding protein 2 alpha C subunit; Polyomavirus enhancer-binding protein 2 alpha C subunit; runt domain alpha subunit 3; runt related transcription factor 3; Runt-related transcription factor 3; RUNX 3; Runx3; RUNX3_HUMAN; SL3 3 enhancer factor 1 alpha C subunit; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core binding factor alpha C subunit; SL3/AKV core-binding factor alpha C subunit; Transcription factor AML2;
Description	Forms the heterodimeric complex core-binding factor (CBF) with CBFB. RUNX members modulate the transcription of their target genes through recognizing the core consensus binding sequence 5'-TGTGGT-3', or very rarely, 5'-TGCGGT-3', within their regulatory regions via their runt domain, while CBFB is a non-DNA-binding regulatory subunit that allosterically enhances the sequence-specific DNA-binding capacity of RUNX. The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters (By similarity). May be involved in the control of cellular proliferation and/or differentiation. In association with ZFHX3, upregulates CDKN1A promoter activity following TGF-beta stimulation (PubMed:20599712). CBF complexes repress ZBTB7B transcription factor during cytotoxic (CD8+) T cell development. They bind to RUNX-binding sequence within the ZBTB7B locus acting as transcriptional silencer and allowing for cytotoxic T cell differentiation. CBF complexes binding to the transcriptional silencer is essential for recruitment of nuclear protein complexes that catalyze epigenetic modifications to establish epigenetic ZBTB7B silencing (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	44 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.