

Anti-ETO-2 antibody



Description	Rabbit polyclonal to ETO-2.
Model	STJ93008
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human ETO-2
Immunogen Region	230-310 aa, Internal
Gene ID	863
Gene Symbol	CBFA2T3
Dilution range	IHC 1:100-1:300ELISA 1:20000
Specificity	ETO-2 Polyclonal Antibody detects endogenous levels of ETO-2 protein.
Tissue Specificity	Widely expressed with higher expression in heart, pancreas, skeletal muscle, spleen, thymus and peripheral blood leukocytes. Expressed in hematopoietic cells (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Protein CBFA2T3 MTG8-related protein 2 Myeloid translocation gene on chromosome 16 protein hMTG16 Zinc finger MYND domain-containing protein 4

Molecular Weight	71.192 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1537OMIM:603870
Alternative Names	Protein CBFA2T3 MTG8-related protein 2 Myeloid translocation gene on chromosome 16 protein hMTG16 Zinc finger MYND domain-containing protein 4
Function	Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes . Can repress the expression of MMP7 in a ZBTB33-dependent manner . Reduces the protein levels and stability of the transcriptional regulator HIF1A; interacts with EGLN1 and promotes the HIF1A prolyl hydroxylation-dependent ubiquitination and proteasomal degradation pathway . Contributes to inhibition of glycolysis and stimulation of mitochondrial respiration by down-regulating the expression of glycolytic genes including PFKFB3, PFKFB4, PDK1, PFKP, LDHA and HK1 which are direct targets of HIF1A . Regulates the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes . Plays a role in granulocyte differentiation . Isoform 2 functions as an A-kinase-anchoring protein .
Sequence and Domain Family	Nervy homology region 2 (NHR2) mediates homo- and possibly heterotypic oligomerization by forming a four-helix bundle tetrameric structure.
Cellular Localization	Isoform 1: Nucleus, nucleolus. The RUNX1-CBFA2T3 fusion protein localizes to the nucleoplasm.. Isoform 2: Nucleus, nucleoplasm Golgi apparatus membrane