

Rabbit CBFA2T2 Polyclonal Antibody | anti-CBFA2T2 antibody

CBFA2T2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328800	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus	Western Blot

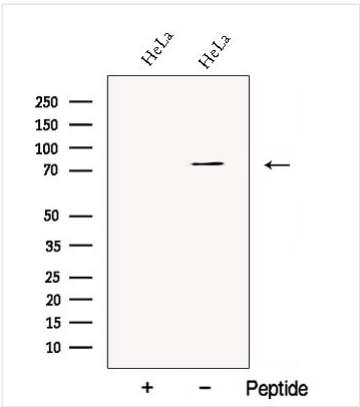
PRODUCT SYNONYMS

CBFA2T2; Polyclonal Antibody; CBFA2T2 Antibody; AML1 MTG8; cbfa2t2; Core binding factor runt domain alpha subunit 2 translocated to 2; core-binding factor; runt domain; alpha subunit 2; DKFZp313F2116; EHT; ETO homolog on chromosome 20; ETO homologous on chromosome 20; MTG 8 like protein; MTG 8 related protein 1; MTG8 like protein; MTG8 related protein 1; MTG8-like protein; MTG8-related protein 1; MTG8R_HUMAN; MTGR 1; Myeloid translocation gene related protein 1; Myeloid translocation related protein 1; Myeloid translocation-related protein 1; p85; Protein CBFA2T2; ZMYND 3; ZMYND3; anti-CBFA2T2 antibody

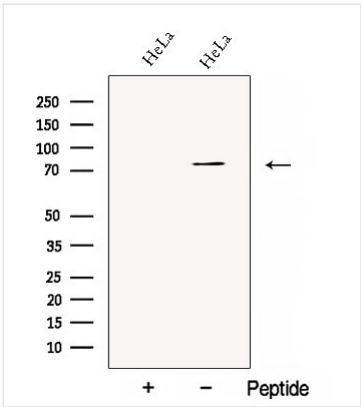
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	CBFA2T2 Antibody detects endogenous levels of CBFA2T2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	595
Applicable Applications for anti-CBFA2T2 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human CBFA2T2.
Tissue Specificity	Ubiquitously expressed in fetal and adult tissues. Highly expressed in adult brain, heart, lung, kidney, lymph node, appendix, thymus, testis, uterus, small intestine, prostate and thymus.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using CBFA2T2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from PC12, using CBFA2T2 Antibody. The lane on the left was treated with blocking peptide. Observed bands: 65 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CBFA2T2 antibody	Description: Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes (PubMed:12559562, PubMed:15203199). Via association with PRDM14 is involved in regulation of embryonic stem cell (ESC) pluripotency (PubMed:27281218). Involved in primordial germ cell (PCG) formation. Stabilizes PRDM14 and OCT4 on chromatin in a homooligomerization-dependent manner (By similarity). Can repress the expression of MMP7 in a ZBTB33-dependent manner (PubMed:23251453). May function as a complex with the chimeric protein RUNX1/AML1-CBFA2T1/MTG8 (AML1-MTG8/ETO fusion protein) which is produced in acute myeloid leukemia with the chromosomal translocation t(8;21). May thus be involved in the repression of AML1-dependent transcription and the induction of G-CSF/CSF3-dependent cell growth. May be a tumor suppressor gene candidate involved in myeloid tumors with the deletion of the 20q11 region. Through heteromerization with CBFA2T3/MTG16 may be involved in regulation of the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes (By similarity). Required for the maintenance of the secretory cell lineage in the small intestine. Can inhibit Notch signaling probably by association with RBPJ and may be involved in GFI1-mediated Paneth cell differentiation (By similarity). Subunit Structure: Homooligomer. Homotetramerization is mediated by neryv homology region 2 (By similarity). Can interact with RUNX1T1/CBFA2T1 and CBFA2T3/MTG16; heterotetramerization between members of the CBFA2T family is proposed (PubMed:12242670, PubMed:14703694, PubMed:16616331). Forms a heterooligomer with the AML1-MTG8/ETO fusion protein (PubMed:9447981). Interacts with PRDM14 (PubMed:27281218). Interacts with RBPJ, GFI1, TCF4. Interacts with TAL1 and CBFA2T3/MTG16; the heteromer with CBFA2T3/MTG16 may function in repression of TAL1 (By similarity). Similarity: Neryv homology region 2 (NHR2) mediates homo- and possibly heterotypic oligomerization by forming a four-helix bundle tetrameric structure. Belongs to the CBFA2T family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74229008
NCBI GeneID	9139
NCBI Accession #	NP_001028171
NCBI GenBank Nucleotide #	NP_001028171.1
UniProt Accession #	O43439
Molecular Weight	Observed: 80 kDa Predicted: 68 kDa
NCBI Official Full Name	protein CBFA2T2 isoform MTGR1c

NCBI Official Synonym Full Names	CBFA2/RUNX1 partner transcriptional co-repressor 2
NCBI Official Symbol	CBFA2T2
NCBI Official Synonym Symbols	EHT; p85; MTGR1; ZMYND3
NCBI Protein Information	protein CBFA2T2
UniProt Protein Name	Protein CBFA2T2
UniProt Gene Name	CBFA2T2
UniProt Synonym Gene Names	EHT; MTGR1
UniProt Entry Name	MTG8R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cbfa2t2-antibody-western-blot-elisa/328800>