

ARG59800 anti-MTGR1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MTGR1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MTGR1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 325-604 of Human MTGR1 (NP_005084.1).
Conjugation	Un-conjugated
Alternate Names	EHT; MTG8-related protein 1; ETO homologous on chromosome 20; MTGR1; p85; ZMYND3; Protein CBFA2T2; MTG8-like protein; Myeloid translocation-related protein 1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain, Mouse brain and Raji	
Observed Size	72 kDa	

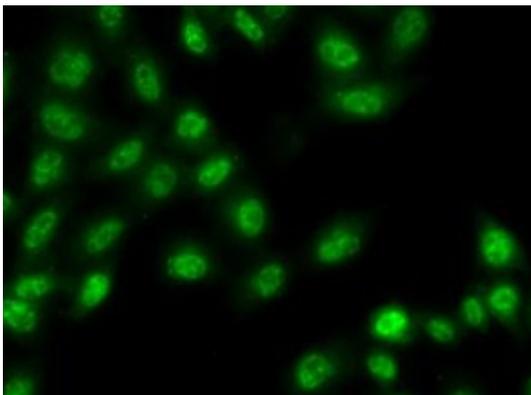
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

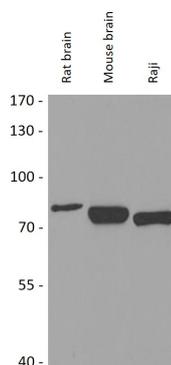
Gene Symbol	CBFA2T2
Gene Full Name	core-binding factor, runt domain, alpha subunit 2; translocated to, 2
Background	In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of the 5'-region of the RUNX1 (AML1) gene fused to the 3'-region of the CBFA2T1 (MTG8) gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. The protein encoded by this gene binds to the AML1-MTG8 complex and may be important in promoting leukemogenesis. Several transcript variants are thought to exist for this gene, but the full-length natures of only three have been described. [provided by RefSeq, Jul 2008]
Function	May function as a complex with the chimeric protein RUNX1/AML1-CBFA2T1/MTG8 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. [UniProt]
Calculated Mw	67 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG59800 anti-MTGR1 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG59800 anti-MTGR1 antibody.



ARG59800 anti-MTGR1 antibody WB image

Western blot: 25 µg of Rat brain, Mouse brain and Raji cell lysates stained with ARG59800 anti-MTGR1 antibody at 1:1000 dilution.