

ARG58296 anti-RUNX1T1 / ETO antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RUNX1T1 / ETO
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RUNX1T1 / ETO
Species	Human
Immunogen	E. coli-derived Human RUNX1T1/ETO recombinant protein (Position: T335-D510).
Conjugation	Un-conjugated
Alternate Names	AML1T1; MTG8; CBFA2T1; ZMYND2; Protein MTG8; Protein CBFA2T1; Cyclin-D-related protein; Eight twenty one protein; CDR; AML1-MTG8; Protein ETO; Zinc finger MYND domain-containing protein 2; ETO

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note
IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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

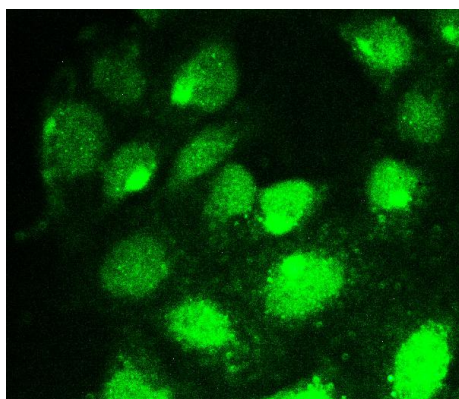
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

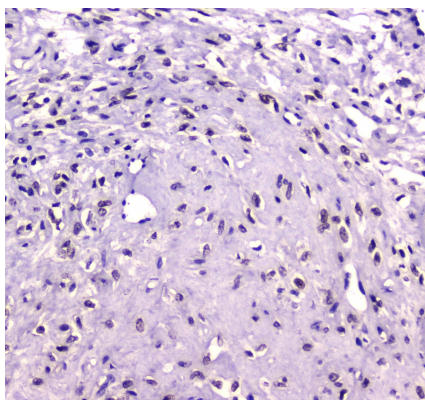
Gene Symbol	RUNX1T1
Gene Full Name	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)
Background	This gene encodes a member of the myeloid translocation gene family which interact with DNA-bound transcription factors and recruit a range of corepressors to facilitate transcriptional repression. The t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities in acute myeloid leukemia. The translocation produces a chimeric gene made up of the 5'-region of the runt-related transcription factor 1 gene fused to the 3'-region of this gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]
Function	Transcription regulator that exerts its function by binding to histone deacetylases and transcription factors. Can repress transactivation mediated by TCF12. [UniProt]
Calculated Mw	68 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG58296 anti-RUNX1T1 / ETO antibody ICC/IF image

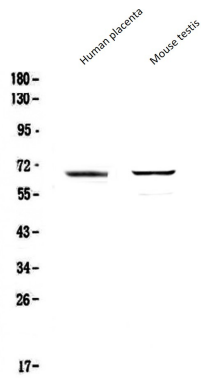
Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG58296 anti-RUNX1T1 / ETO antibody (green) at 2 µg/ml dilution, overnight at 4°C.



ARG58296 anti-RUNX1T1 / ETO antibody IHC-P image

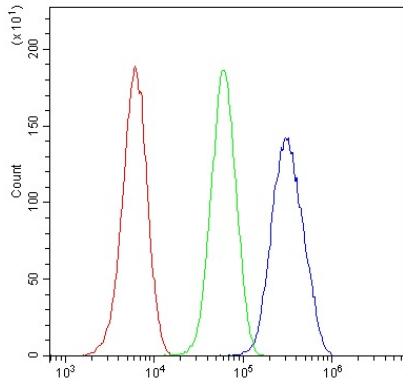
Immunohistochemistry: Paraffin-embedded Human mammary cancer. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58296 anti-RUNX1T1 / ETO antibody at 1 µg/ml dilution, overnight at 4°C.

ARG58296 anti-RUNX1T1 / ETO antibody WB image



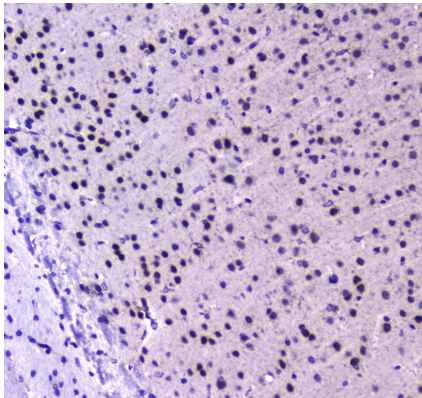
Western blot: 50 µg of Human placenta and Mouse testis lysates stained with ARG58296 anti-RUNX1T1 / ETO antibody at 0.5 µg/ml, overnight at 4°C, under reducing conditions.

ARG58296 anti-RUNX1T1 / ETO antibody FACS image



Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG58296 anti-RUNX1T1 / ETO antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.

ARG58296 anti-RUNX1T1 / ETO antibody IHC-P image



Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58296 anti-RUNX1T1 / ETO antibody at 1 µg/ml dilution, overnight at 4°C.