

NFE2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full-length recombinant NFE2.****Catalog # AT3029a****Specification**

NFE2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q16621
Other Accession	BC005044
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	41473

NFE2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 4778**Other Names**

Transcription factor NF-E2 45 kDa subunit, Leucine zipper protein NF-E2, Nuclear factor, erythroid-derived 2 45 kDa subunit, p45 NF-E2, NFE2

Target/Specificity

NFE2 (AAH05044, 1 a.a. ~ 373 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

NFE2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

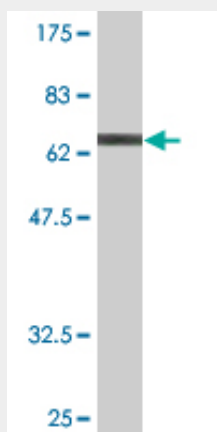
NFE2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

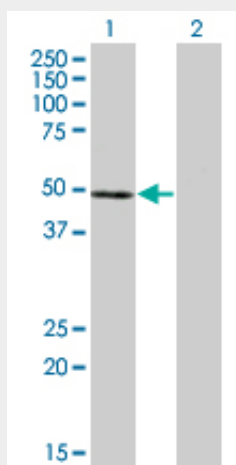
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NFE2 Antibody (monoclonal) (M01) - Images



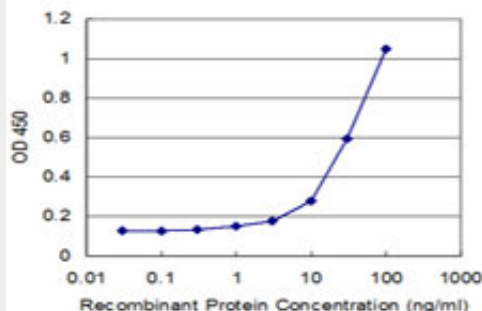
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.77 KDa) .



Western Blot analysis of NFE2 expression in transfected 293T cell line by NFE2 monoclonal antibody (M01), clone 2C6.

Lane 1: NFE2 transfected lysate (41.5 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NFE2 is approximately 3ng/ml as a capture antibody.

NFE2 Antibody (monoclonal) (M01) - References

AML1 is overexpressed in patients with myeloproliferative neoplasms and mediates JAK2V617F-independent overexpression of NF-E2. Wang W, et al. Blood, 2010 Jul 15. PMID 20339092. USF and NF-E2 cooperate to regulate the recruitment and activity of RNA polymerase II in the beta-globin gene locus. Zhou Z, et al. J Biol Chem, 2010 May 21. PMID 20236933. JNK-mediated turnover and stabilization of the transcription factor p45/NF-E2 during differentiation of murine erythroleukemia cells. Lee TL, et al. Proc Natl Acad Sci U S A, 2010 Jan 5. PMID 19966288. NF-E2 domination over Nrf2 promotes ROS accumulation and megakaryocytic maturation. Motohashi H, et al. Blood, 2010 Jan 21. PMID 19901266. A genome-wide meta-analysis identifies 22 loci associated with eight hematological parameters in the HaemGen consortium. Soranzo N, et al. Nat Genet, 2009 Nov. PMID 19820697.