10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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

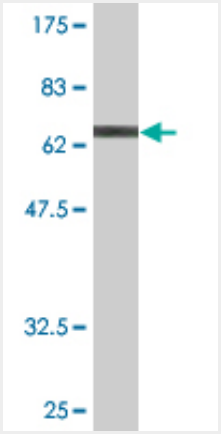
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

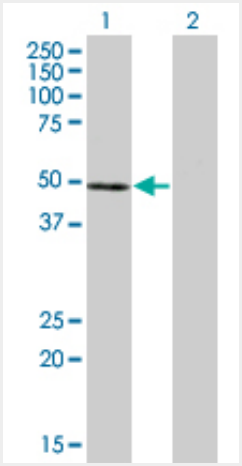
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NFE2 Antibody (monoclonal) (M01) - Images



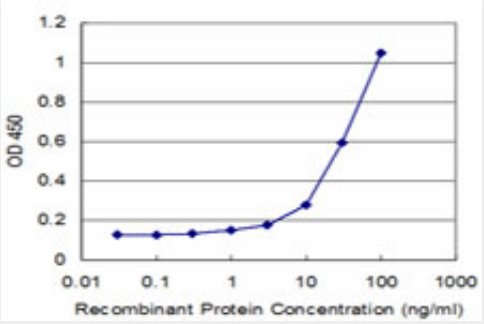
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (66.77 KDa) .



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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.