

Anti-p45 NF-E2 Antibody (1W450)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 41 kDa. Actual: 46 kDa.
Clone:	1W450
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 25 ug total protein per lane of various lysates (see on figure) probed with p45 NF-E2 monoclonal antibody, unconjugated (TMAB-09871) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. 4% Paraformaldehyde-fixed K562 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (p45 NF-E2) monoclonal Antibody, unconjugated (TMAB-09871) 1: 100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, BF488) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p> <p>3. The K562 (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-p45 NF-E2 antibody (TMAB-09871, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p>
Application:	FCM,ICC/IF,IP,WB
Recommended	FCM=1:50-100; ICC/IF=1:50-200; IP=1:20-50; WB=1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human NFE2
Antigen Species:	Human
Gene ID:	4778
Uniprot ID:	Q16621

Research Background

Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic maturation and differentiation. Binds to the hypersensitive site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1-like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May

play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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