



GABPA Mouse Monoclonal Antibody

E10-20227

Background: GABPA: GA binding protein transcription factor, alpha subunit 60kDa. It is one of three GA-binding protein transcription factor subunits which functions as a DNA-binding subunit. Since this subunit shares identity with a subunit encoding the nuclear respiratory factor 2 gene, it is likely involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. This subunit also shares identity with a subunit constituting the transcription factor E4TF1, responsible for expression of the adenovirus E4 gene. Because of its chromosomal localization and ability to form heterodimers with other polypeptides, it may play a role in the Down Syndrome phenotype.

Catalog Number: E10-20227

Amount: 100µg/100µl

Clone Number: 8C1B10

Species: Mouse IgG1

MW: 51kDa

Aliases: NFT2; NRF2

Entrez Gene: 2551

Immunogen: Purified recombinant fragment of human GABPA (aa120-190) expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at -20 °C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse

Tested Applications: WB, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB: 1/500 - 1/2000. IF: 1/200 - 1/1000. ELISA: Propose dilution 1/10000.

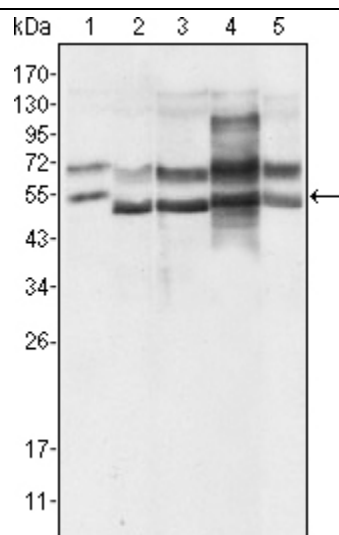


Figure 1: Western blot analysis using GABPA mouse mAb against Hela (1), A549 (2), MCF-7 (3), NIH/3T3 (4) and SMMC-7721 (5) cell lysate.

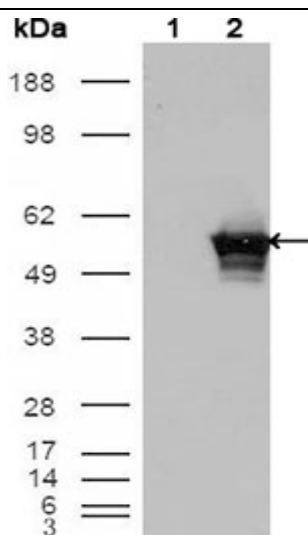


Figure 2: Western blot analysis using GABPA mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GABPA cDNA (2).

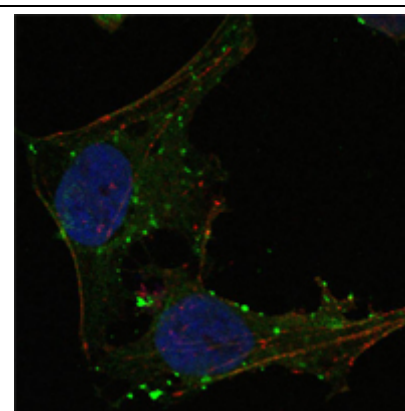


Figure 3: Confocal immunofluorescence analysis of Hela cells using GABPA mouse mAb (green). Red: Actin filaments have been labeled using DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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