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

GABPA Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1188a

Product Information

Application	WB, ICC, E
Primary Accession	Q06546
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	8C1B10
Isotype	IgG1
Calculated MW	51295
Description	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.
Immunogen	Purified recombinant fragment of human GABPA (aa120-190) expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	2551
Other Names	GA-binding protein alpha chain, GABP subunit alpha, Nuclear respiratory factor 2 subunit alpha, Transcription factor E4TF1-60, GABPA, E4TF1A
Dilution	WB~~1/500 - 1/2000 ICC~~N/A E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GABPA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GABPA
Synonyms	E4TF1A
Function	Transcription factor capable of interacting with purine rich repeats (GA repeats). Positively regulates transcription of transcriptional repressor RHIT/ZNF205 (PubMed:22306510).
Cellular Location	Nucleus.

References

1. Science. 1998 Feb 13;279(5353):1037-41. 2. J Biol Chem. 1999 Dec 10;274(50):35475-82. 3. EMBO J. 2000 Feb 15;19(4):683-90.

Images

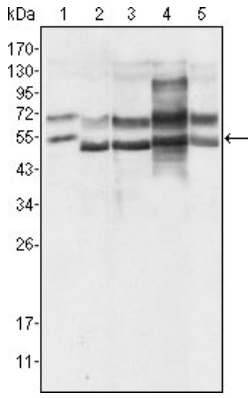


Figure 1: Western blot analysis using GABPA mouse mAb against Hela (1), A549 (2), MCF-7 (3), NIH/3T3 (4) and SMMC-7721 (5) cell lysate.

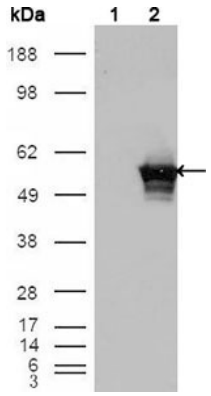
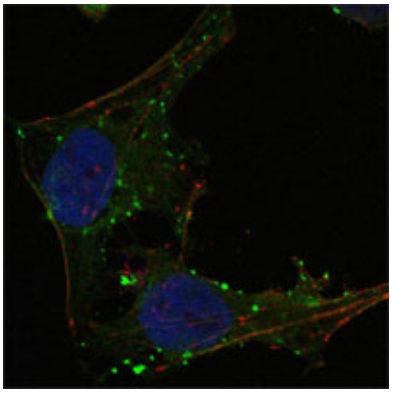


Figure 2: Western blot analysis using GABPA mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GABPA cDNA (2).

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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.