

GABPA Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1188a**Specification**

GABPA Antibody - Product Information

Application	WB, IF
Primary Accession	Q06546
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	51kDa KDa

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.

GABPA Antibody - 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

IF~~1/200 - 1/1000

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.

GABPA Antibody - 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.

GABPA Antibody - 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](#)

GABPA Antibody - Images

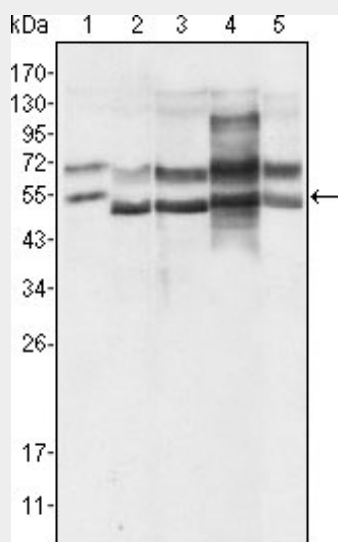


Figure 1: Western blot analysis using GABPA mouse mAb against Hela (1), A549 (2), MCF-7 (3), NIH/3T3 (4) and SMMC-7721 (5) cell lysate.

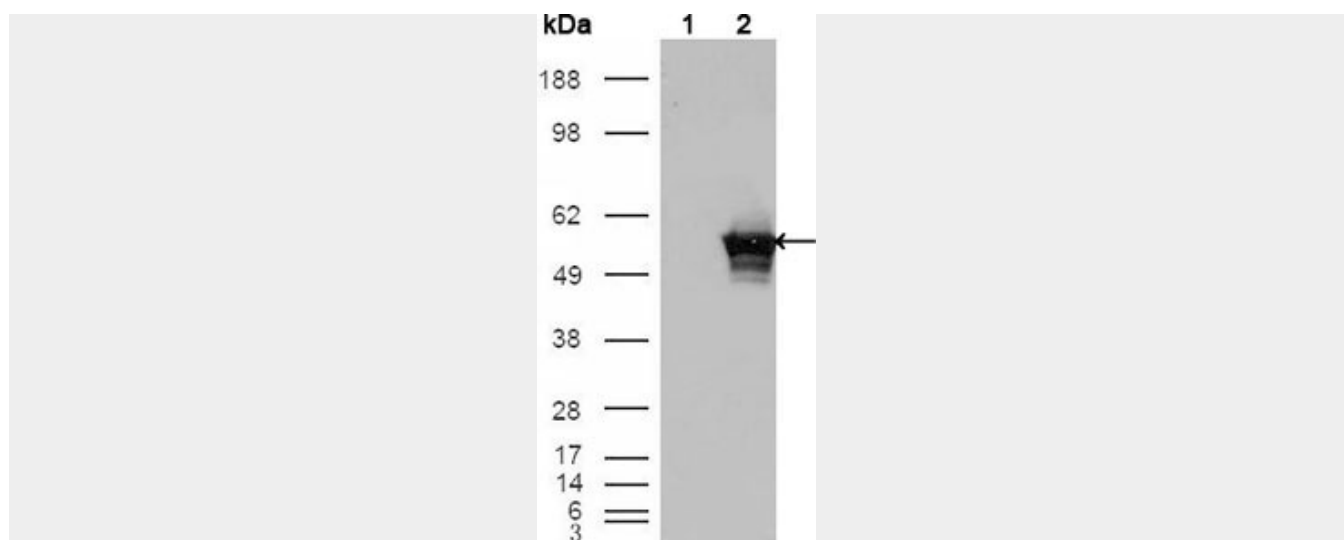


Figure 2: Western blot analysis using GABPA mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GABPA cDNA (2).

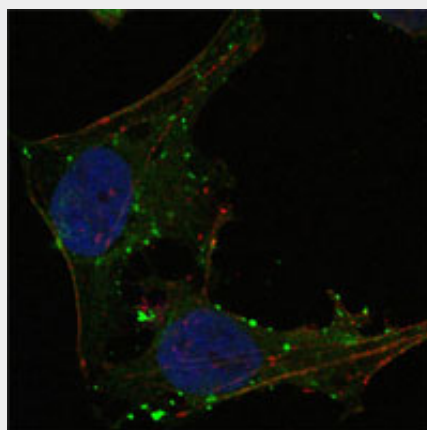


Figure 3: Confocal immunofluorescence analysis of HeLa cells using GABPA mouse mAb (green). Red: Actin filaments have been labeled using DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

GABPA Antibody - 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.