CELL APPLICATIONS, INC.

GABPA Monoclonal Antibody

Cat. No. CC10006

Applications:	**WB, IP, ICC**
Detected MW:	**60 kDa**
Species & Reactivity:	**Human, Mouse**
Isotype:	**Mouse IgG1**

BACKGROUND

The GA-binding protein transcription factor, also called nuclear respiratory factor-2 (NRF2), was originally identified by its role in the expression of the adenovirus E4 gene. GA-binding protein alpha chain (GABPA) is one of three GA-binding protein transcription factor subunits, which functions as a DNA-binding subunit.[1] The GABP complex contributes to the transcriptional regulation of a number of subunits of mitochondrial enzymes, including cytochrome c oxidase and mitochondrial transcription factor A.[2] Because of its chromosomal localization and ability to form heterodimers with other polypeptides, this gene may play a role in the Down Syndrome phenotype.[3]

References:

1. Watanabe H et al.: Mol. Cell. Biol. 13: 1385-1391, 1993.
2. Guo A et al.: J. Comp. Neurol. 417: 221-232, 2000.
3. Chrast R et al.: Genomics 28:119-122, 1995.

TECHNICAL INFORMATION

Source:
GABPA Antibody is a mouse monoclonal antibody raised against the purified recombinant fragment of human GABPA (aa120-190) expressed in *E. Coli*.

Specificity and Sensitivity:
This monoclonal antibody detects endogenous levels of GABPA proteins in various cell lysates.

Storage Buffer: PBS and 30% glycerol

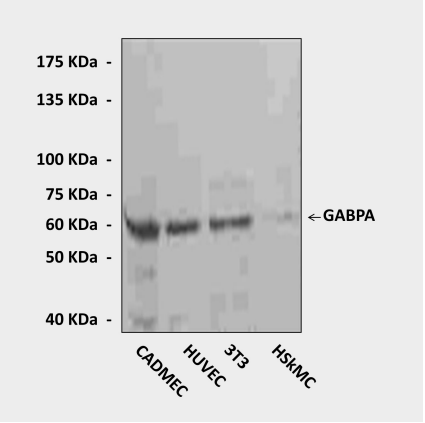
Storage:
Store at -20°C for at least one year. Store at 4°C for frequent use. Avoid repeated freeze-thaw cycles.

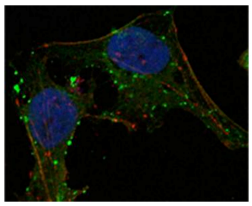
APPLICATIONS

Application:	*Dilution:
WB	1:1000
IP	1:50
IHC	n/d
ICC	1:200 – 1000
FACS	n/d

*****Optimal dilutions must be determined by end user.*

QUALITY CONTROL DATA





Top: Various primary cell lysates were subjected to Western Blot analysis using GABPA Antibody. **Bottom:** Immunofluorescent analysis of HeLa cells using GABPA Antibody (GABPA Antibody: green; Actin filaments: red; DRAQ5: blue).