

Anti-GABPA - Antibody

HGNC: 4071, E4TF1-60, E4TF1A, NFT2, NRF2, NRF2A

CATALOG NO.: XAV-8544

SPECIES REACTIVITY: Human

SIZE: 51kDa

BACKGROUND:

GA Binding Protein α chain (GABP- α subunit, GABPA, nuclear respiratory factor-2 subunit α transcription factor E4TF1-60) 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, this gene may play a role in the Down Syndrome phenotype.

SOURCE:

Anti-GABPA polyclonal antibody produced in rabbits immunized with a synthetic peptide corresponding peptide with internal ID P01930 of human GABPA Rabbit total IgG.

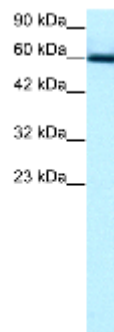
APPLICATION:

This polyclonal antibody can be used for the detection of synthetic peptide corresponding peptide with internal ID P01930 of human GABPA by Immunoblot and Immunohistochemistry; Western blot at a suggested dilution at 0.5-1.0 μ g/ml in 5% skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50,000 - 100,003 as second antibody. Suggested starting concentrations are provided. Optimal dilutions should be determined by end-user. Differences in calculated versus apparent molecular weight may be due to post-

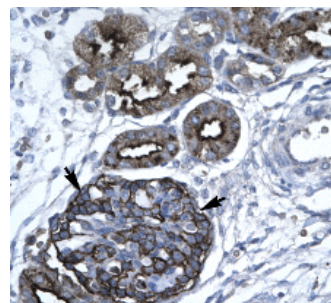
translational modifications or protein hydrophobicity. **This product is for research use only.**

STORAGE:

GABPA antibody is supplied in PBS buffer containing 0.02% sodium azide. For longer periods of storage, store at -20°C . Avoid repeat freeze-thaw cycle.



Western blot analysis of GABPA in Jurkat cell lysates using anti-GABPA (**Catalog No. XAV-8544**).



Immunohistochemistry of GABPA in human kidney paraffin embedded tissue using anti-GABPA (**Catalog No. XAV-8544**) at 4.0-8.0 μ g/ml.

REFERENCES:

Xue, H.H., et al., (2004) Nat. Immunol. 5(10), 1036-1044