GABPB2 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	GABPB2, Polyclonal Antibody
Full Product Name	Goat anti-GABPB2 Antibody
Product Gene Name	anti-GABPB2 antibody
Product Synonym Names	GABPB2; GA binding protein transcription factor, beta subunit 2; BABPB2; E4TF1; E4TF1-47; E4TF1-53; E4TF1B; GABPB; GABPB1; NRF2B1; NRF2B2; GA binding protein transcription factor, beta subunit 1, 53kDa; GA binding protein transcription factor, beta subuni; GABPB2 antibody; GA binding protein transcription factor; beta subunit 2 antibody; BABPB2 antibody; E4TF1 antibody; E4TF1-47 antibody; E4TF1-53 antibody; E4TF1B antibody; GABPB antibody; GABPB1 antibody; NRF2B1 antibody; NRF2B2 antibody; GA binding protein transcription factor; beta subunit 1; 53kDa antibody; GA binding protein transcription factor; beta subunit 2; 47kDa antibody; nuclear respiratory factor-2 subunit beta antibody
Immunogen Sequence	SSENSSKATD ETG
Clonality	Polyclonal
Host	Goat
Species Reactivity	Tested: Human; Expected from sequence similarity: Human, Dog
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0. 02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Concentration	100ug specific antibody in 200ul (lot specific)
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.
Antibody/Peptide Pairs	GABPB2 peptide (MBS425891) is used for blocking the activity of GABPB2 antibody (MBS421346)
Molecular Weight	36,950 Da
OMIM	600610
Immunogen	Peptide with sequence C-SSENSSKATDETG, from the internal region of the protein sequence according to NP_005245.2; NP_002032.2.
Epitope	Internal region
Note	This antibody is expected to recognise isoform beta 1 (NP_005245.2) and isoform gamma 1 (NP_002032.2).
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-GABPB2 antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-GABPB2 antibody	Peptide ELISA: Antibody detection limit dilution 1: 32000.
Related Product Information for anti-GABPB2 antibody	MBS421346 is an antibody targeting GABPB2. Also known as Goat anti-GABPB2 Antibody. Reactive in Tested: Human; Expected from sequence similarity: Human, Dog. Host: Goat.
Other Notes	Small volumes of anti-GABPB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-GABPB2 antibody
(0.5ug/ml) staining of HeLa cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GABPB2. It may not necessarily be applicable to this product.

NCBI GI #	8051593
NCBI GeneID	2553
NCBI Accession #	NP_005245.2
NCBI Related Accession #	NP_002032.2
UniProt Secondary Accession #	Q06545; Q12940; Q12941; Q12942; Q8IYD0; A8IE52
UniProt Related Accession #	Q06547
GenBank Nucleotide #	NM_005254.5
NCBI Official Full Name	GA-binding protein subunit beta-1 isoform beta 1
NCBI Official Synonym Full Names	GA binding protein transcription factor beta subunit 1
NCBI Official Symbol	GABPB1
NCBI Official Synonym Symbols	E4TF1; GABPB; BABPB2; E4TF1B; GABPB2; NRF2B1; NRF2B2; GABPB-1; E4TF1-47; E4TF1-53
UniProt Protein Name	GA-binding protein subunit beta-1
UniProt Synonym Protein Names	GABP subunit beta-2; GABPB-2; Nuclear respiratory factor 2; Transcription factor E4TF1-47; Transcription factor E4TF1-53
Protein Family	GA-binding protein
UniProt Gene Name	GABPB1
UniProt Synonym Gene Names	E4TF1B; GABPB; GABPB2; GABP subunit beta-1; GABPB-1; GABPB-2
UniProt Entry Name	GABP1_HUMAN
NCBI Protein Information	GA-binding protein subunit beta-1
NCBI Summary for GABPB2	This gene encodes the GA-binding protein transcription factor, beta subunit. This protein forms a tetrameric complex with the alpha subunit, and stimulates transcription of target genes. The encoded protein may be involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. The crystal structure of a similar protein in mouse has been resolved as a ternary protein complex. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for GABPB2	GABPB1: Transcription factor capable of interacting with purine rich repeats (GA repeats). Necessary for the expression of the Adenovirus E4 gene. 4 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 15q21.2 Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; protein heterodimerization activity; transcription factor activity Biological Process: mitochondrion organization and biogenesis; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent
Research Articles on GABPB2	**1.** GABP beta is required for YAP expression in vitro and in vivo, and that YAP is an important effector downstream of GABP for cell survival and cell-cycle progression.
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