

Goat Anti-GABPB2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1455a**Specification**

Goat Anti-GABPB2 Antibody - Product Information

Application	WB, E
Primary Accession	Q06547
Other Accession	NP_002032 , 2553
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	42483

Goat Anti-GABPB2 Antibody - Additional Information**Gene ID** 2553**Other Names**

GA-binding protein subunit beta-1, GABP subunit beta-1, GABPB-1, GABP subunit beta-2, GABPB-2, Nuclear respiratory factor 2, Transcription factor E4TF1-47, Transcription factor E4TF1-53, GABPB1, E4TF1B, GABPB, GABPB2

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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

Goat Anti-GABPB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GABPB2 Antibody - Protein Information**Name** GABPB1**Synonyms** E4TF1B {ECO:0000303|PubMed:8441384}, GAB

Function

Transcription factor capable of interacting with purine rich repeats (GA repeats) (PubMed:10675337, PubMed:8441384, PubMed:8816484). Acts as a master regulator of nuclear-encoded mitochondrial genes (By similarity).

Cellular Location

Nucleus

Goat Anti-GABPB2 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](#)

Goat Anti-GABPB2 Antibody - Images

AF1455a (0.5 µg/ml) staining of HeLa cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GABPB2 Antibody - Background

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.

Goat Anti-GABPB2 Antibody - References

Interaction between SNPs in the NRF2 gene and elite endurance performance. Eynon N, et al. Physiol Genomics, 2010 Mar 3. PMID 20028934.

An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904.

Multiple genetic variants along candidate pathways influence plasma high-density lipoprotein cholesterol concentrations. Lu Y, et al. J Lipid Res, 2008 Dec. PMID 18660489.

PGC-1-related coactivator complexes with HCF-1 and NRF-2beta in mediating NRF-2(GABP)-dependent respiratory gene expression. Vercauteren K, et al. J Biol Chem, 2008 May 2. PMID 18343819.

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.