

GNB3 rabbit monoclonal antibody

Catalog # H00002784-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GNB3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GNB3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GNB3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GNB3

Entrez GeneID [2784](#)

GeneBank Accession# [GNB3](#)

Gene Name GNB3

Gene Alias -

Gene Description guanine nucleotide binding protein (G protein), beta polypeptide 3

Omim ID [139130 145500](#)

Gene Ontology [Hyperlink](#)

Gene Summary Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. A single-nucleotide polymorphism (C825T) in this gene is associated with essential hypertension and obesity. This polymorphism is also associated with the occurrence of the splice variant GNB3-s, which appears to have increased activity. GNB3-s is an example of alternative splicing caused by a nucleotide change outside of the splice donor and acceptor sites. Additional splice variants may exist for this gene, but they have not been fully described. [provided by RefSeq]

Other Designations G protein, beta-3 subunit|GTP-binding regulatory protein beta-3 chain|guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 3|guanine nucleotide-binding protein, beta-3 subunit|hypertension associated protein|transducin beta chain 3

Pathway

- [Chemokine signaling pathway](#)
- [Taste transduction](#)

Disease

- [Abdominal Pain](#)
- [Acute Disease](#)

- [Adenoma](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Arrhythmia](#)
- [Arrhythmias](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Autonomic Nervous System Diseases](#)
- [Bile Duct Neoplasms](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bone Neoplasms](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cholangiocarcinoma](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cicatrix](#)
- [Cluster Headache](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Death](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Dyskinesia](#)
- [Dyspepsia](#)
- [Edema](#)
- [Electroconvulsive Therapy](#)
- [Fetal Membranes](#)
- [Gastroesophageal Reflux](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Heart Diseases](#)
- [HELLP Syndrome](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Hyperuricemia](#)
- [Hypotension](#)
- [Impotence](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Irritable Bowel Syndrome](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Limb Deformities](#)
- [Liver Cirrhosis](#)

- [Low Back Pain](#)
- [Lymphatic Metastasis](#)
- [Macular Degeneration](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasm Recurrence](#)
- [Neovascularization](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Opioid-Related Disorders](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
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- [Personality Assessment](#)
- [Personality Inventory](#)
- [Polycystic Kidney](#)
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- [Pre-Eclampsia](#)

- [Premature Birth](#)
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- [Prostatic Neoplasms](#)
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- [Renal Insufficiency](#)
- [Satiation](#)
- [Schizophrenia](#)
- [Seasonal Affective Disorder](#)
- [Sensation](#)
- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
- [Sleep Apnea](#)
- [Stress](#)
- [Stroke](#)
- [Substance Abuse](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Sudden Infant Death](#)
- [Syncope](#)
- [Taste](#)
- [Thrombophilia](#)
- [Thyroid Diseases](#)

- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Vesico-Ureteral Reflux](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)