

Datasheet for ABIN2787271
anti-GNB4 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	GNB4
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNB4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GNB4
Sequence:	DGMCRQSFTG HVSDINAVSF FPNGYAFATG SDDATCRLFD LRADQELLY
Specificity:	Gene Symbol: GNB1, GNB2, GNB3 Protein Accession#: NP_002065, NP_005264, NP_002066 Nucleotide Accession#: NM_002074, NM_005273, NM_002075 Swissprot ID: P62873, P62879, P16520
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against all four GNB variants (1-4). It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GNB4
Alternative Name:	GNB4 (GNB4 Products)
Background:	<p>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.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: UBC, SUMO2, GNG8, GNG12, GNG2, GNG13, GNMT1, GNG11, GNG10, GNG7, GNG5, GNG4, GNG3, FBXO6, CDK18, ADRB2, PAN2, MTNR1A, ESR1, GNAI3, GNAI2, GNAI1, PDCL, CEP97, RGS6, Haus1, Haus4, Mau2, Trim69, Cdk1, MTNR1B, GNMT2, git11,</p> <p>Protein Size: 340</p>
Molecular Weight:	37 kDa
Gene ID:	59345
NCBI Accession:	NM_021629 , NP_067642
UniProt:	Q9HAV0
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 340 AA
Restrictions:	For Research Use only

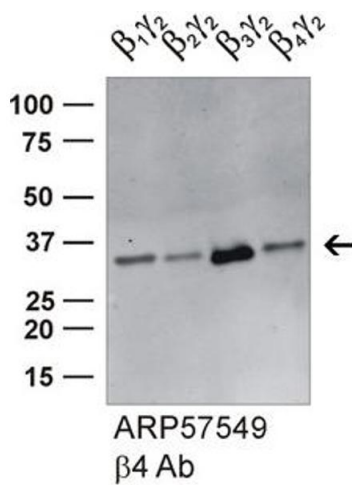
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

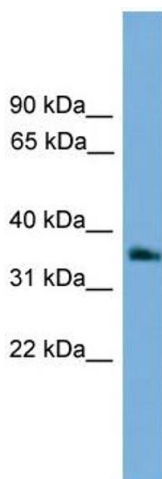
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. GNB4 antibody - middle region (ARP57549_P050) validated by WB using HEK293 cell lysate



Western Blotting

Image 2. WB Suggested Anti-GNB4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HCT15 cell lysate