

Product datasheet for **AP05163PU-N**

G protein alpha inhibitor 1 (GNAI1) (+ GNAI2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 5 - 10 µg/ml.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide corresponding to amino acids 345 - 354 of Galpha1 and 346-355 of Galpha2.
Specificity:	This antibody reacts to Gi alpha 1/2.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	G protein subunit alpha i1
Database Link:	Entrez Gene 14677 Mouse Entrez Gene 25686 Rat Entrez Gene 2770 Human P63096
Background:	GTP-binding proteins (G-proteins) play a critical role in signal transduction by coupling receptors to effectors. The intracellular consequences of G-protein activation include second messenger generation, protein phosphorylation, ion channel activation, gene induction, cell growth, and differentiation. Gi belongs to the pertussis toxin sensitive G-proteins. Gi consists of three different subtypes of alpha-subunits (alpha1, alpha2 and alpha3)
Synonyms:	GNAI1
Protein Families:	Druggable Genome



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Protein Pathways:

Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction