



Hi-Puri™ Llama Anti-Human Gαs Monoclonal antibody, clone Nb35 (DMAB-CDB26169)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Nb35 specifically binds to the Gαs protein, aiding in the stabilization of the Gαs-Gβγ complex. It exhibits selectivity for Gαs over other G protein subtypes.
Target	Human Gαs
Immunogen	Gαs protein
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	Nb35
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	Suitable for use in Crystallography, EM. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Concentration	lot specific
Size	200 µg, 1 mg
Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)

Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	Gas is a member of the G protein family, which plays a crucial role in signal transduction pathways initiated by G protein-coupled receptors (GPCRs). Gas consists of three subunits: α , β , and γ . The α subunit is particularly important as it binds to GTP and GDP. Upon activation by a GPCR, Gas exchanges GDP for GTP and dissociates from the $\beta\gamma$ subunits to exert its effect on adenylate cyclase.
Keywords	Gs alpha subunit; Gas; Gsa; Gs