

Datasheet for ABIN630620 **anti-GNAI1 antibody**



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	GNAI1
Reactivity:	Human, Mouse, Rat, Drosophila melanogaster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAI1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	GNAI1 antibody was raised using a synthetic peptide corresponding to a region with amino acids YQLNDSAAYLNDLDRIAQPNIPTQQDVLTRVKTTGIVETHFTFKDLH
Purification:	Affinity purified

Target Details

Target:	GNAI1
Alternative Name:	GNAI1 (GNAI1 Products)
Background:	<p>Guanine nucleotide-binding proteins (G proteins) form a large family of signal-transducing molecules. They are found as heterotrimers made up of alpha, beta, and gamma subunits. Members of the G protein family have been characterized most extensively on the basis of the alpha subunit, which binds guanine nucleotide, is capable of hydrolyzing GTP, and interacts with specific receptor and effector molecules. The G protein family includes Gs and Gi, the</p>

Target Details

stimulatory and inhibitory GTP-binding regulators of adenylate cyclase, Go, a protein abundant in brain (GNAO1), and transducin-1 (GNAT1) and transducin-2 (GNAT2), proteins involved in phototransduction in retinal rods and cones, respectively.

Molecular Weight: 40 kDa (MW of target protein)

Pathways: [G-protein mediated Events](#)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: GNAI1 Blocking Peptide, catalog no. 33R-10215, is also available for use as a blocking control in assays to test for specificity of this GNAI1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of GNAI1 antibody in PBS

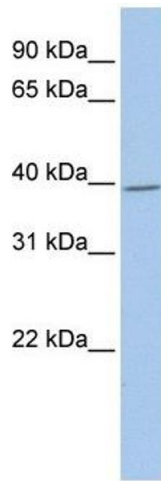
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. GNAI1 antibody used at 1 ug/ml to detect target protein.