

Datasheet for ABIN630225 **anti-GNAS antibody (N-Term)**



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3 Images

Overview

Quantity:	100 µg
Target:	GNAS
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	GNAS antibody was raised using the N terminal of GNAS corresponding to a region with amino acids SGKSTIVKQMRILHVNGFNGDSEKATKVQDIKNNLKEAIETIVAAMSNLV
Specificity:	GNAS antibody was raised against the N terminal of GNAS
Purification:	Purified

Target Details

Target:	GNAS
Alternative Name:	GNAS (GNAS Products)
Background:	Mutations in GNAS gene result in pseudohypoparathyroidism type 1a, pseudohypoparathyroidism type 1b, Albright hereditary osteodystrophy, pseudopseudohypoparathyroidism, McCune-Albright syndrome, progressive osseus

Target Details

heteroplasia, polyostotic fibrous dysplasia of bone, and some pituitary tumors.

Molecular Weight: 42 kDa (MW of target protein)

Pathways: [Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Embryonic Body Morphogenesis](#)

Application Details

Application Notes: WB: 2.5 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: GNAS Blocking Peptide, catalog no. 33R-8471, is also available for use as a blocking control in assays to test for specificity of this GNAS antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

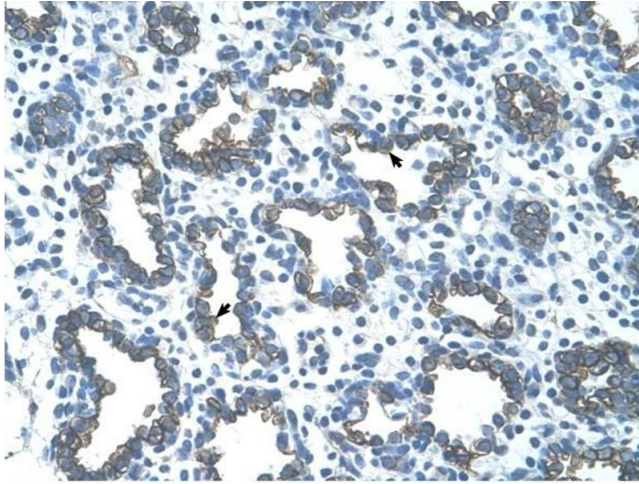
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

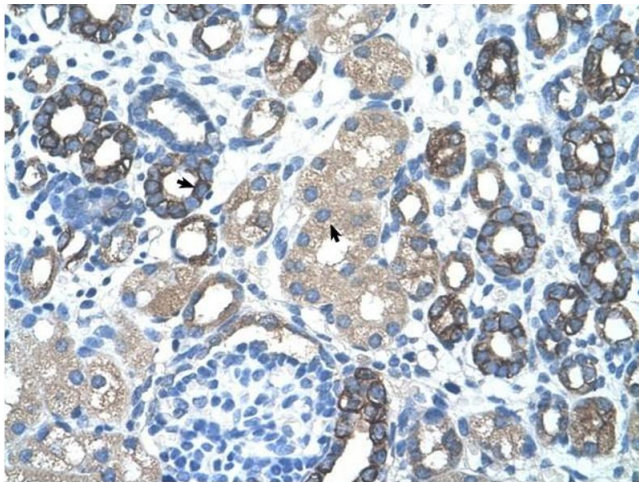
Storage: 4 °C/-20 °C

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



Immunohistochemistry

Image 1. GNAS antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Alveolar cells (arrows) in Human Lung. Magnification is at 400X



Immunohistochemistry

Image 2. GNAS antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X.



Western Blotting

Image 3. GNAS antibody used at 2.5 ug/ml to detect target protein.