

# GNAS Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 807 and 1037 of GNAS (Uniprot ID#Q5JWF2)
Form	Liquid
Concentration	0.51 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% Proclin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11154111

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-

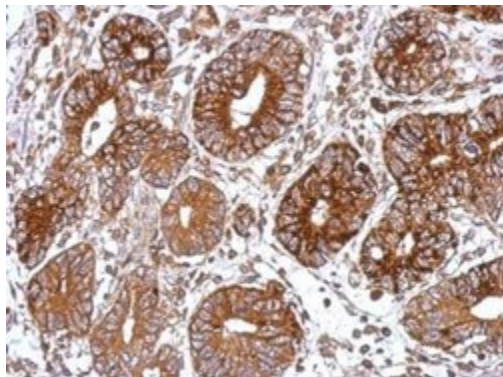
## Product Specific Information

Recommended positive controls: HepG2, Raji, mouse brain, NIH-3T3, JC, rat brain.

Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (97%), Xenopus Tropicalis (97%), Dog (100%), Pig (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For GNAS Polyclonal Antibody

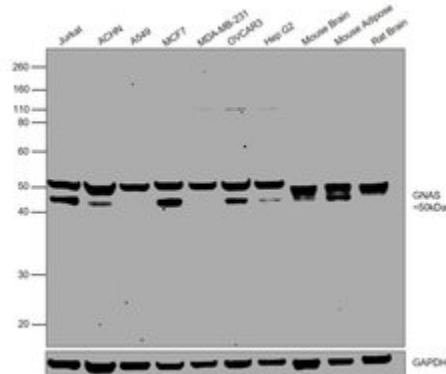


### GNAS Antibody (PA5-22261) in IHC (P)

Immunohistochemical analysis of XLalphas in paraffin-embedded colon carcinoma using a XLalphas polyclonal antibody (Product # PA5-22261) at a dilution of 1:500.

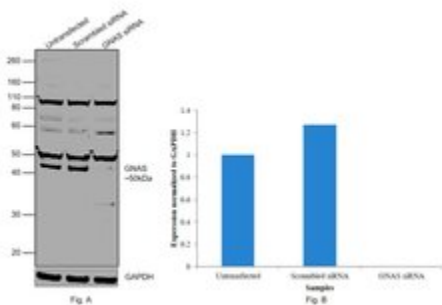
### GNAS Antibody (PA5-22261) in WB

Western blot was performed using Anti-GNAS Polyclonal Antibody (Product # PA5-22261) and a 50 kDa band corresponding to GNAS was observed in Jurkat, ACHN, MCF7, OVCAR3, Hep G2, Mouse Brain and Mouse Adipose, but not in A549, MDA-MB-231 and Rat Brain. An uncharacterized band was observed at ~52 kDa. Whole cell lysates (30 µg lysate) of Jurkat (Lane 1), ACHN (Lane 2), A549 (Lane 3), MCF7 (Lane 4), MDA-MB-231 (Lane 5), OVCAR-3 (Lane 6), Hep G2 (Lane 7), tissue Lysates (30 µg lysate) of Mouse Brain (Lane 8), Mouse Adipose (Lane 9) and Rat Brain (Lane 10) were electrophoresed using NuPAGE® 10 % Bis-Tris gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



### GNAS Antibody (PA5-22261) in WB

Knockdown of GNAS was achieved by transfecting Hep G2 with GNAS specific siRNAs (Silencer® select Product # s526399, s526398). Western blot analysis (Fig. a) was performed using whole cell extracts from the GNAS knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed with GNAS Polyclonal Antibody (Product # PA5-22261, 1:1000 dilution) and Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Loss of signal upon siRNA mediated knock down confirms that antibody is specific to GNAS.



View more figures on [thermofisher.com](http://thermofisher.com)

## Immunohistochemistry (1)

Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer

### Combined Small Cell Carcinoma of the Lung: Is It a Single Entity?

"PA5-22261 was used in Immunohistochemistry to discover that the histological components of combine SCLC had high genetic concordance but showed divergent genotypes."

Authors: Zhao X, McCutcheon JN, Kallakury B, Chahine JJ, Pratt D, Raffeld M, Chen Y, Wang C, Giaccone G

**Species**  
Human

**Dilution**  
1:200

**Year**  
2018

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.