

## GNAS Antibody

**CAB5546**

### Description

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This GNAS Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB5546

**Contents:** 20  $\mu$ L, 100  $\mu$ L

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** AHO, GSA, GSP, POH, GPSA, NESP, SCG6, SgVI, GNAS1, PITA3, C20orf45, GNAS

**Clone:** -

**Applications:** WB IF/ICC IP ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 2778

**Uniprot:** AB\_2766327

**Host Species:** Rabbit

**Purification:** Affinity purification

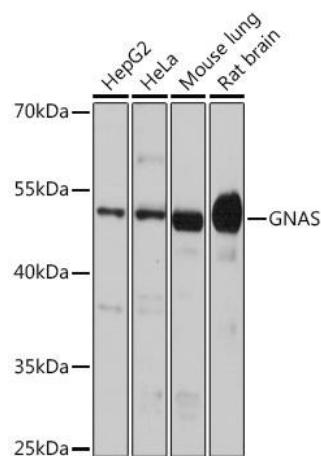
**Observed MW:** 50kDa

**Calculated MW:** 28kDa/44kDa/45kDa/77kDa/109kDa/111kDa

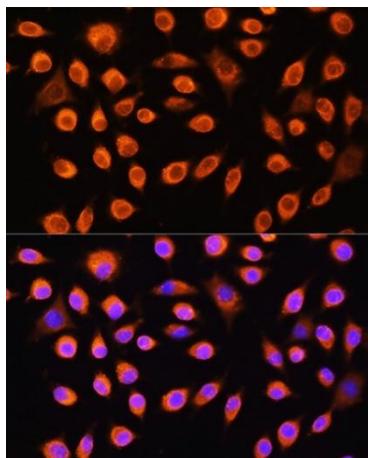
## Preparation & Storage

<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.								
	Store Bradford Reagent at Room Temperature for 1 Year.								
<b>Positive Sample:</b>	HepG2, HeLa, Mouse lung, Mouse brain, Rat brain								
<b>Recommended Dilutions:</b>	<table border="1"> <tr> <td><b>WB</b></td><td>1:500 - 1:2000</td></tr> <tr> <td><b>IF/ICC</b></td><td>1:50 - 1:200</td></tr> <tr> <td><b>IP</b></td><td>0.5µg-4µg antibody for 400µg-600µg extracts of whole cells</td></tr> <tr> <td><b>ELISA</b></td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	<b>WB</b>	1:500 - 1:2000	<b>IF/ICC</b>	1:50 - 1:200	<b>IP</b>	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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<b>Protein Quantification (Optional):</b>	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <a href="https://www.assaygenie.com/bradford-protein-assay-protocol/">https://www.assaygenie.com/bradford-protein-assay-protocol/</a> to view the full protocol								

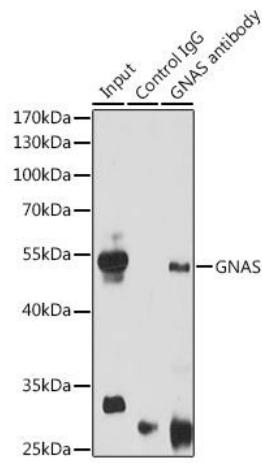
## Validation Data



Western blot analysis of various lysates using GNAS Rabbit pAb (CAB5546) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunofluorescence analysis of cells using GNAS Rabbit pAb (CAB5546) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of Mouse brain cells using 3 µg GNAS antibody (CAB5546). Western blot was performed from the immunoprecipitate using GNAS antibody (CAB5546) at a dilution of 1:1000.