

Datasheet for ABIN1712526

**anti-GNAI1 antibody (AA 21-120) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                 |
| Target:              | GNAI1                                                                                                                  |
| Binding Specificity: | AA 21-120                                                                                                              |
| Reactivity:          | Human                                                                                                                  |
| Host:                | Rabbit                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                             |
| Conjugate:           | This GNAI1 antibody is conjugated to HRP                                                                               |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human G protein alpha inhibitor 1 |
| Isotype:              | IgG                                                                             |
| Predicted Reactivity: | Human, Mouse, Rat, Cow, Sheep, Pig, Zebrafish                                   |
| Purification:         | Purified by Protein A.                                                          |

## Target Details

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Target:           | GNAI1                                                                                         |
| Alternative Name: | G protein alpha inhibitor 1 ( <a href="#">GNAI1 Products</a> )                                |
| Background:       | Synonyms: Adenylate cyclase inhibiting G alpha protein, Adenylate cyclase inhibitory protein, |

## Target Details

Adenylate cyclase-inhibiting G alpha protein, G protein alpha inhibiting 1, G protein alpha inhibiting activity polypeptide 1, Gi, Gi inhibitory G protein, Gi1 protein alpha subunit, GNAI 1, GNAI1, GNAI1\_HUMAN, Guanine nucleotide binding protein G protein alpha inhibiting activity polypeptide 1, Guanine nucleotide binding protein alpha inhibiting activity polypeptide 1, Guanine nucleotide binding protein Gi alpha 1 subunit, Guanine nucleotide-binding protein Gi subunit alpha-1, OTTHUMP00000161319, OTTHUMP00000208047.

Background: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. The inactive GDP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.

Gene ID: 2770

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

## Application Details

Application Notes: IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |