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# Anti-RGS19 (Phospho-S151) Antibody

Catalog # AP61101

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | P49795 |
| **Reactivity** | Human, Mouse, Rat, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 24636 |

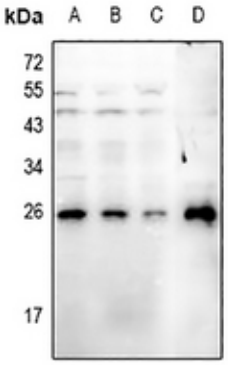
## Additional Information

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| **Gene ID** | 10287 |
| **Other Names** | GAIP; GNAI3IP; Regulator of G-protein signaling 19; RGS19; G-alpha-interacting protein; GAIP |
| **Target/Specificity** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S151 of human RGS19 protein. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

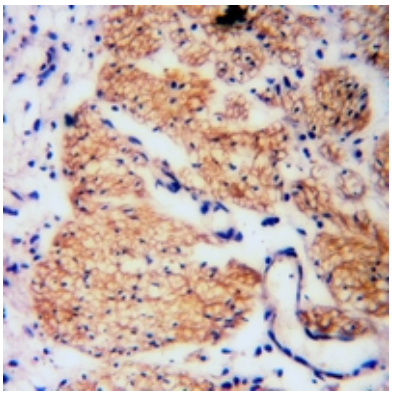
## Protein Information

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|---|---|
| **Name** | RGS19 |
| **Synonyms** | GAIP, GNAI3IP |
| **Function** | Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G-alpha subfamily 1 members, with the order G(i)a3 > G(i)a1 > G(o)a >> G(z)a/G(i)a2. Activity on G(z)-alpha is inhibited by phosphorylation and palmitoylation of the G protein. |
| **Cellular Location** | Membrane; Lipid-anchor. |
| **Tissue Location** | Highest expression in lung. Placenta, liver and heart also express high levels of GAIP |

## Images




Western blot analysis of RGS19 (Phospho-S151) expression in A549 (A), H1792 (B), HepG2 (C), rat heart (D) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 24 kD)



Immunohistochemical analysis of RGS19 (Phospho-S151) staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.