

**Anti-Human/Mouse/Rat GPS2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04319**

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3th Edition

**Description:** This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potentially suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function. GPS2 (G Protein Pathway Suppressor 2) is a Protein Coding gene. Diseases associated with GPS2 include Timothy Grass Allergy. Among its related pathways are HTLV-I infection and Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3. GO annotations related to this gene include transcription corepressor activity and GTPase inhibitor activity.

**Antigen:** Synthesized peptide derived from the N-terminal region of human GPS2

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Widely expressed.