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anti-RGS18 antibody





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| Overview |
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| Quantity: | 100 μL |
|-------------------|--|
| Target: | RGS18 |
| Reactivity: | Human, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RGS18 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB) |
| Product Details | |
| Immunogen: | Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of |
| | human RGS18. |
| Purification: | Antibody is purified by protein A chromatography method. |
| Target Details | |
| Target: | RGS18 |
| Alternative Name: | RGS18 (RGS18 Products) |
| Background: | RGS18 is a member of the regulator of G-protein signaling family. This protein is contains a |
| | conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling |
| | activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a |
| | GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This |
| | hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming |

| inactive G-protein heterotrimers, thereby terminating the signal. This gene encodes a member of |
|---|
| the regulator of G-protein signaling family. This protein is contains a conserved, 120 amino acid |
| motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by |
| binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein |
| (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha |
| subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, |
| thereby terminating the signal. Alternate transcriptional splice variants of this gene have been |
| observed but have not been thoroughly characterized. |

| Molecular Weight: | 26 kDa |
|-------------------|---|
| Gene ID: | 64407 |
| NCBI Accession: | NP_570138 |
| UniProt: | Q9NS28 |
| Pathways: | Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein |
| | Signaling |

Application Details

Application Notes:

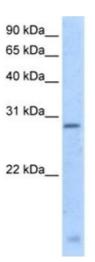
RGS18 antibody can be used for detection of RGS18 by ELISA at 1:62500. RGS18 antibody can be used for detection of RGS18 by western blot at $5.0 \,\mu g/mL$, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions:

For Research Use only

Handling

| Format: | Lyophilized |
|------------------|---|
| Reconstitution: | Add 100 ?L of distilled water. Final antibody concentration is 1 mg/mL. |
| Concentration: | 1 mg/mL |
| Buffer: | Antibody is lyophilized in PBS buffer with 2 % sucrose. |
| Handling Advice: | As with any antibody avoid repeat freeze-thaw cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | For short periods of storage (days) store at 4 °C. For longer periods of storage, store RGS18 antibody at -20 °C. |



Western Blotting

Image 1.