

Product datasheet for **TA364111**

LOC102166444 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA |
| Recommended Dilution: | This antibody has been tested and validated in ELISA against Gastrin- releasing peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. |
| Reactivity: | Porcine |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide H-Ala-Pro-Val-Ser-Val-Gly-Gly-Gly-Thr-Val-Leu-Ala- Lys-Met-Tyr-Pro-Arg-Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met-NH ₂ coupled to carrier protein. |
| Formulation: | Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month. |
| Concentration: | N/A |
| Conjugation: | Unconjugated |
| Storage: | Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below. |
| Database Link: | P63153 |
| Background: | Gastrin-releasing peptide (GRP) is a neuropeptide that has been implicated in a number of physiological and pathophysiological processes. Most notably, GRP stimulates the release of gastrin from the G cells of the stomach. It is also known to be a regulatory human peptide that elicits gastrin release and regulates gastric acid secretion and enteric motor function. The post-ganglionic fibers of the vagus nerve that innervate the G cells of the stomach release GRP, which stimulates the G cells to release gastrin. GRP is also involved in the biology of the circadian system, playing a role in the signaling of light to the master circadian oscillator in the suprachiasmatic nuclei of the hypothalamus. This antibody was generated by immunization of rabbits with Gastrin-releasing peptide coupled to a carrier protein. |



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