

## Product datasheet for TA364242

### EGF Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Epidermal Growth Factor. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Asn-Ser-Asp-Ser-Glu-Cys-Pro-Leu-Ser-His-Asp- Gly-Tyr-Cys-Leu-His-Asp- Gly-Val-Cys-Met-Tyr-Ile-Glu-Ala-Leu-Asp-Lys- Tyr-Ala-Cys-Asn-Cys-Val-Val-Gly-Tyr-Ile-Gly-Glu- Arg-Cys-Gln-Tyr-Arg- Asp-Leu-Lys-Trp-Trp-Glu-Leu-Arg-OH (Disulfide bonds between Cys <sup>6</sup> and Cys <sup>20</sup> /Cys <sup>14</sup> and Cys <sup>31</sup> /Cys <sup>33</sup> and Cys <sup>42</sup> ) coupled to a carrier protein.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
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.
Gene Name:	epidermal growth factor
Database Link:	<a href="#">Entrez Gene 1950 Human P01133</a>
Background:	Epidermal Growth Factor (EGF) stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. It has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. This antibody was generated by immunization of rabbits with Epidermal Growth Factor coupled to a carrier protein.



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**Synonyms:** beta-urogastrone; HOMG4; URG