

Product datasheet for **TA324063S**

EGF Rabbit Polyclonal Antibody

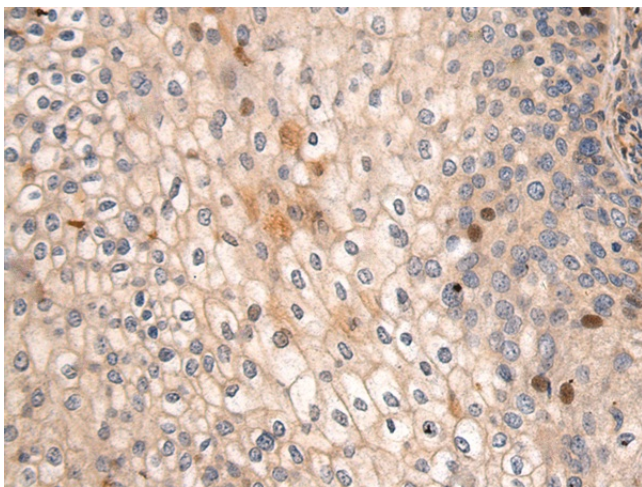
Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 100-200 Positive control: Human cervical cancer Predicted cell location: Cell membrane |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein corresponding to a region derived from 926-1026 amino acids of human epidermal growth factor |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | epidermal growth factor |
| Database Link: | NP_001954 Entrez Gene 1950 Human P01133 |
| Background: | This gene encodes a member of the epidermal growth factor superfamily. The encoded protein is synthesized as a large precursor molecule that is proteolytically cleaved to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth; proliferation and differentiation of numerous cell types. This protein acts by binding the high affinity cell surface receptor; epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternate splicing results in multiple transcript variants |

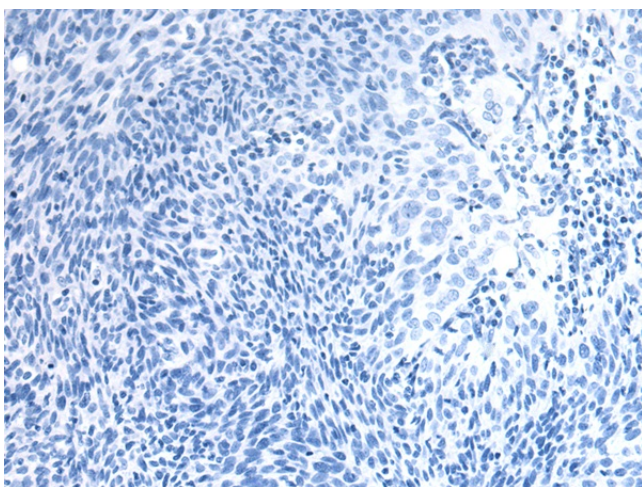


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|--------------------------|---|
| Synonyms: | HOMG4; URG |
| Protein Families: | Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane |
| Protein Pathways: | Bladder cancer, Cytokine-cytokine receptor interaction, Endocytosis, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton |

Product images:

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA324063] (EGF Antibody) at dilution 1/120 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA324063] (EGF Antibody) at dilution 1/120, treated with fusion protein. (Original magnification: x200)