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Product datasheet for TA324064

EGF Rabbit Polyclonal Antibody

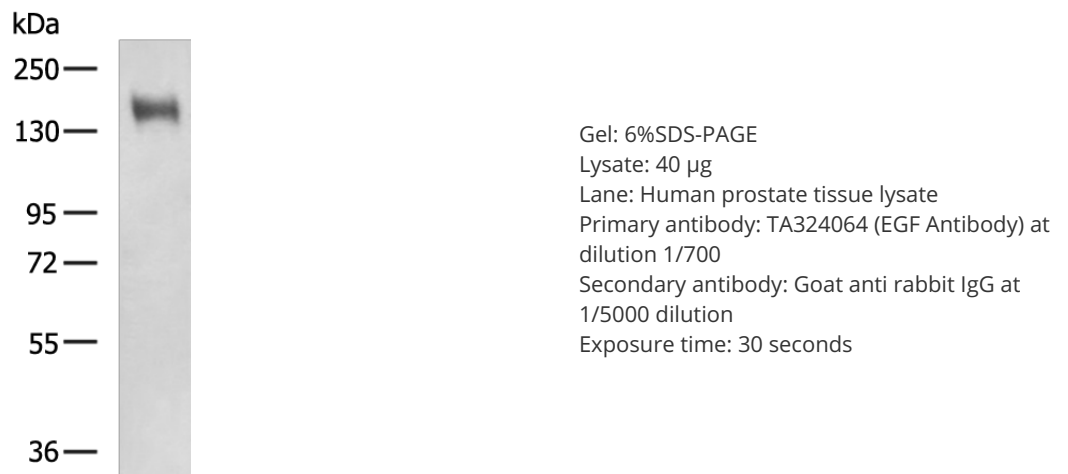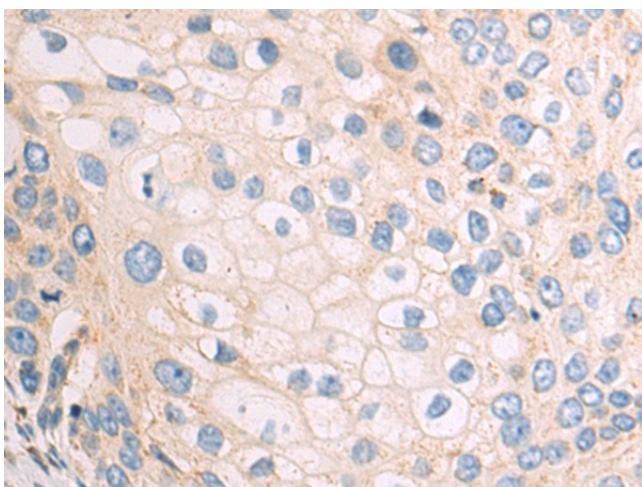## Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human prostate tissue lysate IHC: 100-300 Positive control: Human cervical cancer Predicted cell location: Cytoplasm and 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% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	134 kDa
Gene Name:	epidermal growth factor
Database Link:	NP_001171601 Entrez Gene 1950 Human P01133

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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
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:

Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: Human prostate tissue lysate
Primary antibody: TA324064 (EGF Antibody) at dilution 1/700
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 30 seconds

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324064 (EGF Antibody) at dilution 1/140 (Original magnification: ×200)
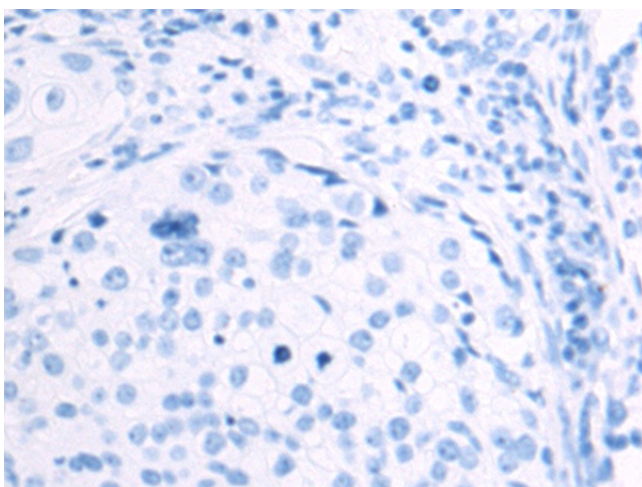
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324064 (EGF Antibody) at dilution 1/140, treated with fusion protein. (Original magnification: ×200)