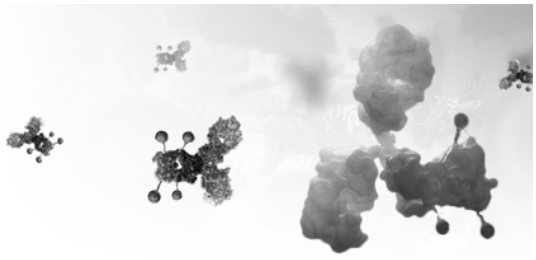

Anti-EGF (aa 926-1025) polyclonal antibody (DPAB-DC827)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.[provided by RefSeq, May 2010]
Immunogen	EGF (NP_001954, 926 a.a. ~ 1025 a.a) partial recombinant protein with GST tag. The sequence is NASCTNTEGGYTCMCAGRLSEPGLICPDSTPPPHLREDDHHYSVRNSDSECPLSHDGYCL HDGVCMYIEALDKYACNCVVGYIGERCQYRDLKWWKLRHA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	EGF epidermal growth factor [Homo sapiens (human)]
Official Symbol	EGF
Synonyms	EGF; epidermal growth factor; URG; HOMG4; pro-epidermal growth factor; beta-urogastrone;
Entrez Gene ID	1950
Protein Refseq	NP_001171601
UniProt ID	P01133
Chromosome Location	4q25
Pathway	Adaptive Immune System; Bladder cancer; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions
Function	calcium ion binding; epidermal growth factor receptor binding; growth factor activity; protein binding

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