

Basic Information

Product Name	Anti-EGF Antibody (Clone#ABOF-5)
Gene Name	EGF
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human EGF
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	134 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

EGF is known as epidermal growth factor. This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed 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. Additionally, it acts by binding with high affinity to the 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Reference

Anti-EGF Antibody (Clone#ABOF-5)被引用在3文献中。

Selected Validation Data

Western blot analysis of EGF expression in human urine sample lysate.

