

EGF Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02858
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human EGF. AA range:660-709
Mol wt	133946
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	EGF Antibody
Synonyms	EGF; Pro-epidermal growth factor; EGF

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

EGF 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. This protein 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.

Recommended Dilution

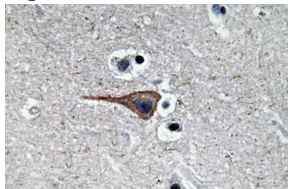
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

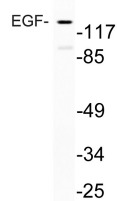
ELISA: 1: 10000

Not yet tested in other applications.

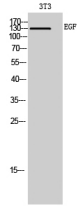
Images



Immunohistochemistry analysis of EGF antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from NIH/3T3 cells, using EGF antibody.



Western Blot analysis of 3T3 cells using EGF Polyclonal Antibody

Storage

-20°C for one year

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