

EGF Rabbit mAb

Catalog No: #49545

Package Size: #49545-1 50ul #49545-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

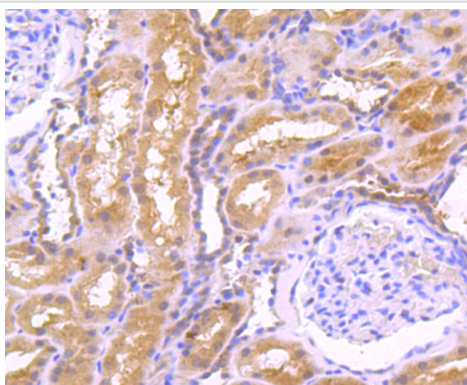
Description

Product Name	EGF Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA14-15
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Beta urogastrone antibody beta-urogastrone antibody EGF antibody EGF_HUMAN antibody Epidermal growth factor antibody HOMG4 antibody OTTHUMP00000219721 antibody OTTHUMP00000219722 antibody Pro epidermal growth factor antibody URG antibody Urogastrone antibody
Accession No.	Swiss-Prot#:P01133
Calculated MW	130/10 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

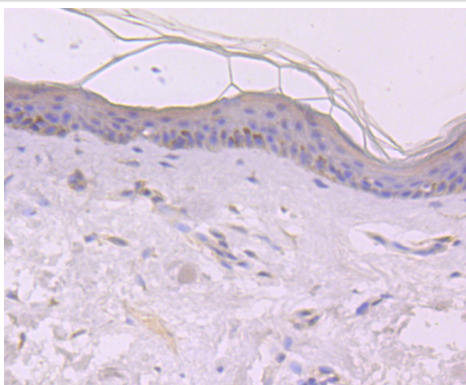
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:100 IP: 1:10-1:50

Images



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-EGF antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human skin tissue using anti-EGF antibody. Counter stained with hematoxylin.

Background

Epidermal growth factor (EGF) is an acid- and heat-stable 53 amino acid protein originally found in rodents and humans. It has been shown to be a potent mitogen for a variety of cell types both in vivo and in vitro. EGF binds to the EGF receptor on the surface of cells and mediates intrinsic phosphorylation of the receptor on tyrosine residues. It has been detected in nearly all body fluids, such as urine (urogastrone), saliva, milk and platelet-rich plasma. EGF, TGF α and vaccinia virus growth factor exhibit 30-40% amino acid homology. Several additional members of the EGF/TGF family have been described; these include Cripto, Amphiregulin and the heparin-binding EGF-like growth factor. Amphiregulin and the heparin-binding EGF-like growth factor both bind to the EGF receptor.

References

1. Zhang X et al. Hypoxia-inducible factor-1 α mediates the toll-like receptor 4 signaling pathway leading to anti-tumor effects in human hepatocellular carcinoma cells under hypoxic conditions. *Oncol Lett* 12:1034-1040 (2016).
2. Guo Z et al. Differential urinary glycoproteome analysis of type 2 diabetic nephropathy using 2D-LC-MS/MS and iTRAQ quantification. *J Transl Med* 13:371 (2015).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.