Datasheet for ABIN656805

anti-EGF antibody (Center)

5 Images

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Overview

Quantity:	400 µL
Target:	EGF
Binding Specificity:	AA 690-720, Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EGF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 690-720 AA from the Central region of human EGF.
Clone:	RB16555
Isotype:	Ig Fraction
Specificity:	This EGF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 689-720 amino acids from the Central region of human EGF.
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	EGF

Target Details

Alternative Name:	EGF (EGF Products)
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: Pro-epidermal growth factor,EGF,
Molecular Weight:	133994 DA
Gene ID:	1950
NCBI Accession:	NP_001954
UniProt:	P01133
Pathways:	NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Protein targeting to Nucleus, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, EGFR Downregulation

Application Details

Application Notes:	WB = 1:1000, IHC (p) = 1:10-50
Restrictions:	For Research Use only

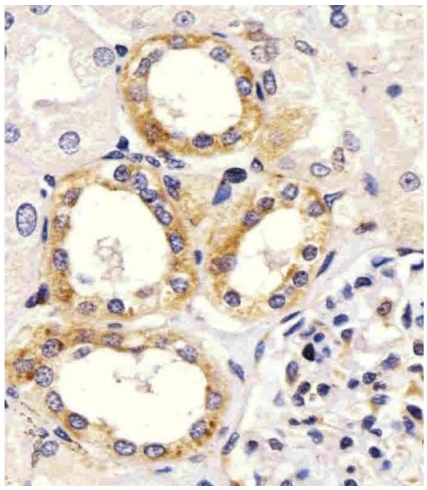
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C

Handling

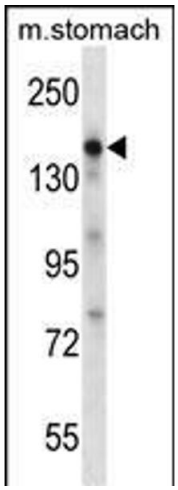
Storage Comment:	EGF Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

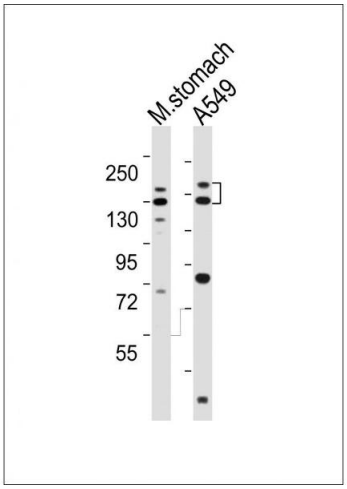
Image 1. staining EGF in Human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. EGF Antibody (Center) western blot analysis in mouse stomach tissue lysates (35 µg/lane).This demonstrates the EGF antibody detected the EGF protein (arrow).

Images



Western Blotting

Image 3. All lanes : Anti-EGF Antibody (Center) at 1:2000 dilution Lane 1: M.stomach tissue lysates Lane 2: A549 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 134 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 5 images are available for ABIN656805.