

For Research Use Only

Mouse EGF Recombinant antibody, PBS Only (Capture)

Catalog Number: 84601-1-PBS



Basic Information

Catalog Number:

84601-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010113

GeneID (NCBI):

13645

UNIPROT ID:

P01132

Full Name:

epidermal growth factor

Calculated MW:

133 kDa

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

242000B1

Applications

Tested Applications:

WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:

mouse

Background Information

Epidermal Growth Factor (EGF) is a type of mitogenic factor that stimulates the proliferation of various cells, including epithelial cells and fibroblasts. It is a small peptide composed of 53 amino acids with a molecular weight of approximately 6,000 Daltons. EGF contains three disulfide bonds, which contribute to its stability under acidic and high-temperature conditions. Human EGF is synthesized as transmembrane precursor proteins (1207 amino acids), which are proteolytically cleaved to generate the 54 amino acid mature EGF. EGF plays a crucial role in regulating cell growth, proliferation, and differentiation. When EGF binds to its receptor (EGFR), it activates intracellular signaling pathways that lead to DNA synthesis and cell proliferation. EGF is naturally present in various tissues and body fluids, including saliva, urine, and milk. It is primarily synthesized in the submandibular glands and duodenum.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

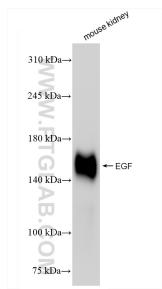
T: 4006900926

E: Proteintech-CN@ptglab.com

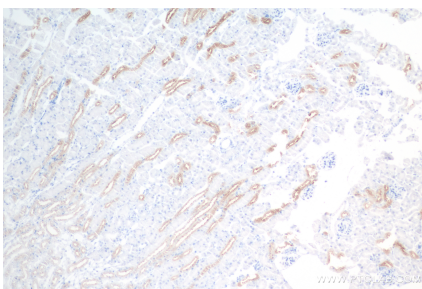
W: ptgcn.com

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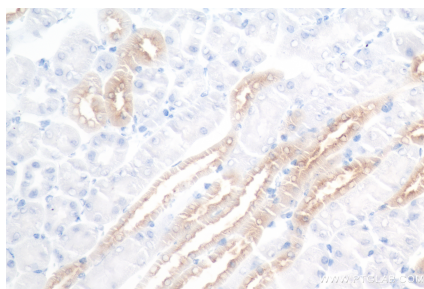
Selected Validation Data



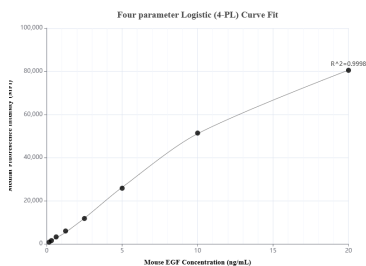
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 84601-1-RR (EGF antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84601-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 84601-1-RR (EGF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84601-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 84601-1-RR (EGF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84601-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01451-1, MOUSE EGF Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84601-1-PBS. Detection antibody: 84601-2-PBS. Standard: Eg1965. Range: 0.156-20 ng/mL.