

LAA006Hu76

Biotin-Linked Monoclonal Antibody to Amphiregulin (AREG)

Organism Species: *Homo sapiens* (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Antibody labeling

Purification: Protein A + Protein G affinity chromatography

Label: Biotin

Original Antibody: MAA006Hu23

Traits: Liquid

Concentration: 500µg/mL

UOM: 1

Cross Reactivity:

Applications: WB; IHC; ICC.

[IMMUNOGEN]

Immunogen: Recombinant AREG (Ser20~Asp100) expressed in *E.coli*

Accession No.: MAA006Hu26

[APPLICATIONS]

Western blotting: 0.5-2ug/ml

Immunocytochemistry in formalin fixed cells: 5-20ug/ml

Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml

Immunohistochemistry in paraffin section: 5-20ug/ml

Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant AREG disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris (pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[**STORAGE AND STABILITY**]

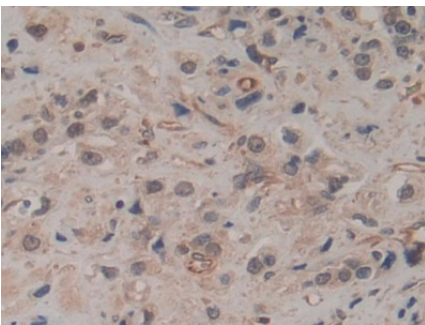
Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

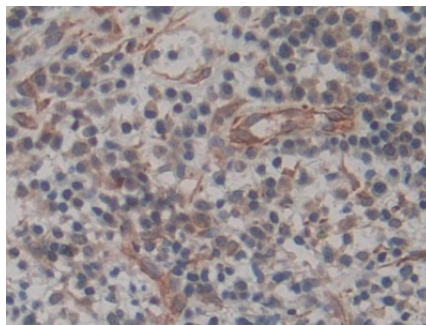
Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

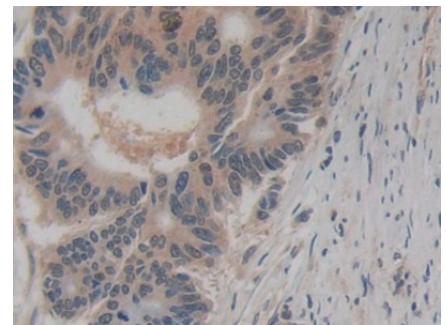
[**IDENTIFICATION**]



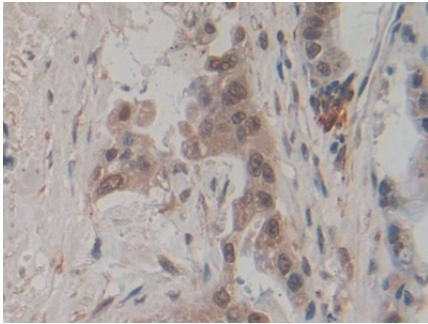
DAB staining on IHC-P; Sample: Human Prostate cancer Tissue; Primary Ab: 20µg/ml Anti-Human AREG Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Skin cancer Tissue; Primary Ab: 20µg/ml Anti-Human AREG Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Colorectal cancer Tissue; Primary Ab: 20µg/ml Anti-Human AREG Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



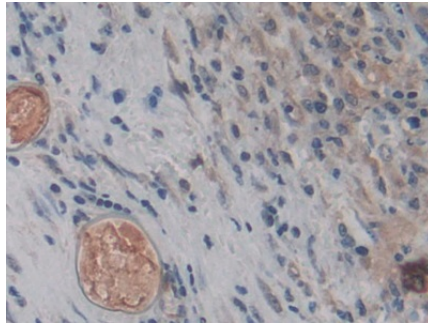
DAB staining on IHC-P;

Sample: Human Pancreatic cancer
Tissue;

Primary Ab: 20µg/ml Anti-Human
AREG Antibody

Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



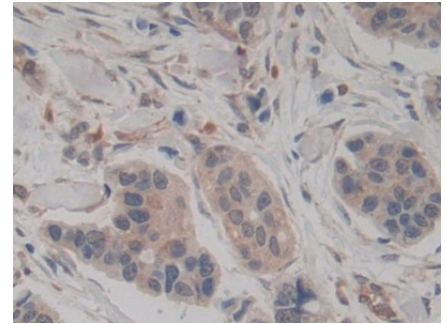
DAB staining on IHC-P;

Sample: Human Liver cancer Tissue;

Primary Ab: 20µg/ml Anti-Human
AREG Antibody

Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



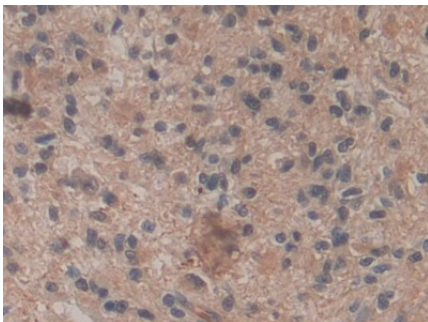
DAB staining on IHC-P;

Sample: Human Breast cancer Tissue;

Primary Ab: 20µg/ml Anti-Human
AREG Antibody

Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Glioma Tissue;

Primary Ab: 20µg/ml Anti-Human
AREG Antibody

Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)

[**IMPORTANT NOTE**]

The kit is designed for research use only, we will not be responsible for any issue if the kit was

used in clinical diagnostic or any other procedures.