

MAA006Hu24

Monoclonal Antibody to Amphiregulin (AREG)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: A3

Traits: Liquid

Concentration: 1mg/mL

UOM: 50µL

Cross Reactivity: Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

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

Accession No.: RPA006Hu01

[APPLICATIONS]

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunofluorescence: 5-30µg/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.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

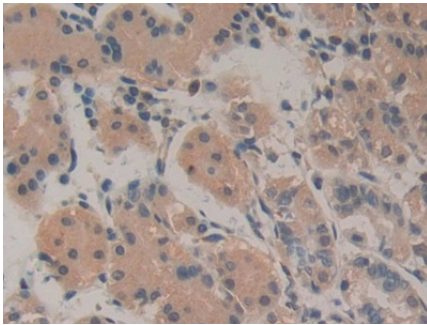
Store at 4°C for frequent use.

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

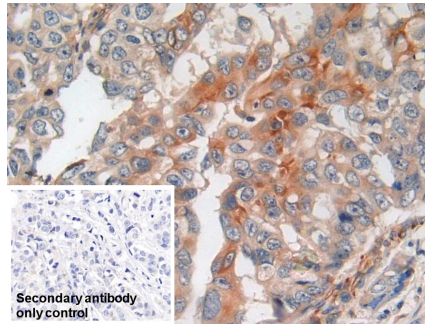
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

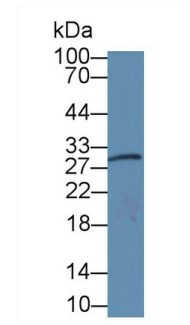
[IDENTIFICATION]



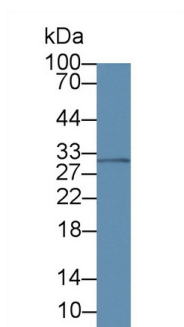
DAB staining on IHC-P; Samples:
Human Stomach Tissue; Primary Ab:
30µg/ml Mouse Anti-Human AREG
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Mouse IgG
Polyclonal Antibody (Catalog:
SAA544Mu19)



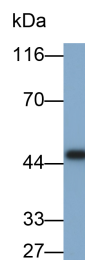
DAB staining on IHC-P;
Sample: Human Breast cancer Tissue
Primary Ab: 30µg/ml Mouse Anti-
Human AREG Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



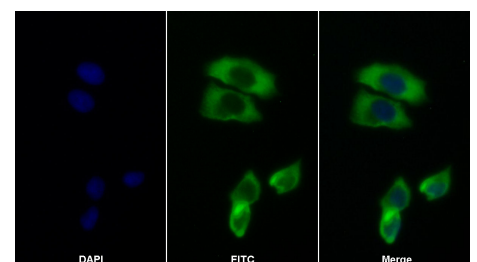
Western Blot; Sample: Rat Placenta
lysate;
Primary Ab: 3µg/ml Mouse Anti-Human
AREG Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



Western Blot; Sample: Human MCF7
cell lysate;
Primary Ab: 3µg/ml Mouse Anti-Human
AREG Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal



Western Blot; Sample: Rat Cerebrum
lysate
Primary Ab: 0.1µg/ml Mouse Anti-
Human AREG Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal



FITC staining on IF;
Sample: MCF7 cell
Primary Ab: 20µg/ml Mouse Anti-
Human AREG Antibody
Second Ab: 2µg/ml FITC-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

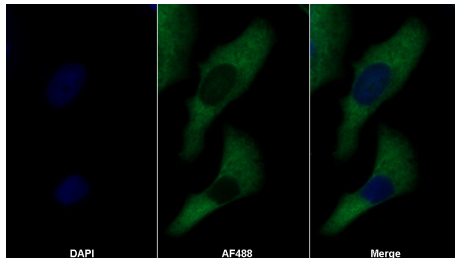
Antibody

(Catalog: SAA544Mu19)

Antibody

(Catalog: SAA544Mu19)

(Catalog: SAA544Mu11)



AF488 staining on IF;

Sample: HeLa cell

Primary Ab: 30µg/ml Mouse Anti-

Human AREG Antibody

Second Ab: 2µg/ml AF488-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu11)

[**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.