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AREG Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7776b

Specification

AREG Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P15514
Other Accession	NP_001648
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27895**
Antigen Region	**222-252**

AREG Antibody (C-term) - Additional Information

Gene ID 374

Other Names
Amphiregulin, AR, Colorectum cell-derived growth factor, CRDGF, AREG, SDGF

Target/Specificity
This AREG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-252 amino acids from the C-terminal region of human AREG.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AREG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AREG Antibody (C-term) - Protein Information

Name AREG (HGNC:651)

Function Ligand of the EGF receptor/EGFR. Autocrine growth factor as well as a mitogen for a

broad range of target cells including astrocytes, Schwann cells and fibroblasts.

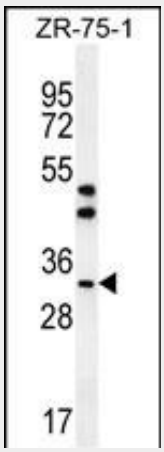
Cellular Location
Membrane; Single-pass membrane protein.

AREG Antibody (C-term) - Protocols

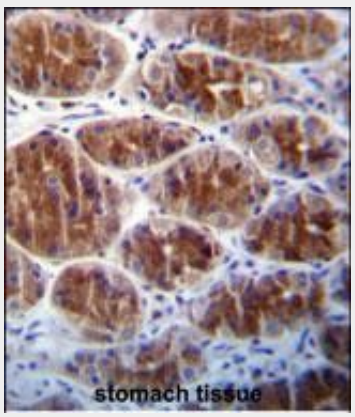
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AREG Antibody (C-term) - Images



AREG Antibody (C-term) (Cat.#AP7776b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the AREG antibody detected the AREG protein (arrow).



AREG Antibody (C-term) (Cat. #AP7776b)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AREG Antibody (C-term) for

immunohistochemistry. Clinical relevance has not been evaluated.

AREG Antibody (C-term) - Background

AREG is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells, and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). This protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells and inhibits the growth of certain aggressive carcinoma cell lines. This protein is associated with a psoriasis-like skin phenotype.

AREG Antibody (C-term) - References

Shim,J.Y., J. Korean Med. Sci. 23 (5), 857-863 (2008)
Eckstein,N., J. Biol. Chem. 283 (2), 739-750 (2008)
Revillion,F., Ann. Oncol. 19 (1), 73-80 (2008)
Kimura,H., Nature 348 (6298), 257-260 (1990)