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Amphiregulin Rabbit pAb

Catalog # AP98487

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P15514
Other Accession	P15514
Reactivity	Rat, Human, Mouse
Predicted	Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27895
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Amphiregulin
Epitope Specificity	185-252/252
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the amphiregulin family. Contains 1 EGF-like domain.
SUBUNIT	The immature precursor interacts with CNIH.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Amphiregulin expression is induced by phorbol ester, estrogen, androgen, and other EGFR ligands. In vitro, amphiregulin functions as an autocrine growth stimulator to drive proliferation of colon carcinoma cells, normal and oncogene-transformed mammary epithelial cells, cervical carcinoma cells, prostate cancer cells, and keratinocytes. Amphiregulin is important in the development of human placenta and murine mammary gland. It is reportedly overexpressed in human cancers of breast, colon, stomach and pancreas.

Additional Information

Gene ID	374
Other Names	AR; AREGB; CRDGF; SDGF; Mcub; AREG_HUMAN; AREG; Colorectum cell-derived growth factor (CRDGF); AREG_MOUSE; Schwannoma-derived growth factor (SDGF); amphiregulin; schwannoma-derived growth factor; amphiregulin B; Colorectum Cell-Derived Growth Factor
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.