

For Research Use Only

CoraLite® Plus 647-conjugated Amphiregulin Polyclonal antibody



Catalog Number: CL647-16036

Featured Product

Basic Information

Catalog Number: CL647-16036	GenBank Accession Number: BC009799	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 374	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: amphiregulin	Excitation/Emission maxima wavelengths: 650 nm / 665 nm
Isotype: IgG	Calculated MW: 252 aa, 28 kDa	
Immunogen Catalog Number: AG8907		

Applications

Tested Applications: IF	Positive Controls: IF : human colon cancer tissue,
Species Specificity: human	

Background Information

Amphiregulin (AREG) is one of the ligands of the epidermal growth factor receptor (EGFR). AREG plays a central role in mammary gland development and branching morphogenesis in organs and is expressed both in physiological and in cancerous tissues. The AREG protein is synthesized as a 252-amino acid transmembrane precursor, pro-AREG. At the plasma membrane, pro-AREG is subjected to sequential proteolytic cleavages within its ectodomain and is then released as the soluble AREG protein. Depending on the cell type and microenvironment, AREG can be produced in multiple cellular and mature forms using alternative pro-AREG cleavage sites and glycosylation motifs. Post-translational modifications of 50-kDa pro-AREG produces a major soluble 43-kDa form, 28-, 26-, 16-kDa membrane anchored forms, and soluble 21-, 19-, and 9-kDa forms (PMID: 9642297).

Storage

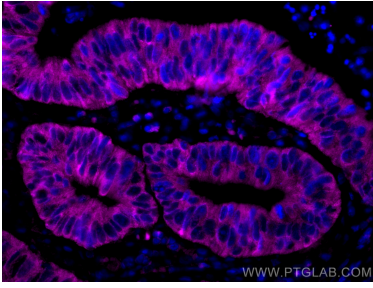
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 647 Amphiregulin antibody (CL647-16036) at dilution of 1:200.



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