

## Product datasheet for **TA388962**

### AREG Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Sandwich ELISA: To detect Human Amphiregulin by sandwich ELISA (using 100ul/well), a concentration of 0.25-1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Human Amphiregulin as a capture antibody, allows the detection of at least 2000-4000 pg/ml of Recombinant Human Amphiregulin. Western Blot To detect Human Amphiregulin by Western Blot analysis, this antibody can be used at a concentration of 0.1-0.2 µg/ml. When used in conjunction with compatible development reagents, the detection limit for Recombinant Human Amphiregulin is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits immunized with highly pure Recombinant Human Amphiregulin. Anti-Human Amphiregulin-specific antibody was purified by affinity chromatography and then biotinylated.
Concentration:	lot specific
Purification:	Amphiregulin-specific antibody was purified by affinity chromatography and then biotinylated
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	<a href="#">P15514</a>



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**Background:**

Amphiregulin is an EGF related growth factor that signals through the EGF/TGF- $\alpha$  receptor, and stimulates growth of keratinocytes, epithelial cells and some fibroblasts. Amphiregulin also inhibits the growth of certain carcinoma cell lines. Synthesized as a transmembrane protein, Amphiregulin's extracellular domain is proteolytically processed to release the mature protein. There are 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds essential for biological activity. Recombinant Human Amphiregulin is an 11.3 kDa glycoprotein consisting of 98 amino acid residues.