**Product datasheet for TA329139**

**Amphiregulin (AREG) Rabbit Polyclonal Antibody**

**Product data:**

- **Product Type:** Primary Antibodies
- **Applications:** WB
- **Recommend Dilution:** WB
- **Reactivity:** Human
- **Host:** Rabbit
- **Isotype:** IgG
- **Clonality:** Polyclonal
- **Immunogen:** The immunogen for anti-AREG antibody: synthetic peptide directed towards the middle region of human AREG. Synthetic peptide located within the following region: PQIPGYIVDDSVRVEQVVKPPQNKTESENTSDKPKRKKKGKNGKNRRNR
- **Formulation:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.  
  *Note that this product is shipped as lyophilized powder to China customers.*
- **Storage:** Store at -20°C as received.
- **Stability:** Stable for 12 months from date of receipt.
- **Predicted Protein Size:** 28 kDa
- **Gene Name:** amphiregulin
- **Database Link:** NP_001648 Entrez Gene 374 Human
- **Background:** The protein encoded by this gene 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 encoded protein is associated with a psoriasis-like skin phenotype.
- **Synonyms:** AR; AREGB; CRDGF; SDGF
- **Note:** Immunogen sequence homology: Human: 100%; Dog: 91%; Pig: 91%; Horse: 91%; Sheep: 91%; Bovine: 91%
- **Protein Families:** Druggable Genome, Transmembrane
Protein Pathways: ErbB signaling pathway

Product images:

WB Suggested Anti-AREG Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: ACHN cell lysate