



Anti-AREG polyclonal antibody [Biotin] (DPABY-442)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Amphiregulin is a member of the EGF family of cytokines, which is comprised of at least ten proteins including EGF, TGF-alpha, HB-EGF, and the various heregulins. All of these cytokines are synthesized as transmembrane precursors and are characterized by the presence of one or several EGF structural units in their extracellular domain.
Specificity	Detectshuman Amphiregulin in ELISAs and Western blots. In sandwich immunoassays, less than 0.05%cross-reactivity with rmAR, rhEGF and rhTGF-alpha is observed.
Immunogen	E. coli-derived recombinant human Amphiregulin. Val107-Lys184 Accession Number P15514
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

12 months from date of receipt, -20 to -70 °C as supplied.
1 month, 2 to 8 °C under sterile conditions after reconstitution.
6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	AREG amphiregulin [Homo sapiens (human)]
Official Symbol	AREG
Synonyms	AREG; amphiregulin; AR; SDGF; AREGB; CRDGF; amphiregulin B; schwannoma-derived growth factor; colorectum cell-derived growth factor;
Entrez Gene ID	374
Protein Refseq	NP_001648
UniProt ID	P15514
Chromosome Location	4q13.3
Pathway	ErbB receptor signaling network; ErbB signaling pathway; FSH signaling pathway; Hippo signaling pathway;
Function	cytokine activity; growth factor activity; protein binding;
