



Anti-AREG polyclonal antibody [Biotin] (DPABY-474)

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	Detects mouse Amphiregulin in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant human Amphiregulin is observed.
Immunogen	E. coli-derived recombinant mouse Amphiregulin. Ser94-Lys191 Accession Number Q4FJT2
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
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 [Mus musculus (house mouse)]
Official Symbol	AREG
Synonyms	AREG; amphiregulin; AR; Sdgf; schwannoma-derived growth factor;
Entrez Gene ID	11839
Protein Refseq	NP_033834
UniProt ID	P31955
Chromosome Location	5 E1; 5 44.78 cM
Pathway	ErbB signaling pathway; Hippo signaling pathway;
Function	cytokine activity; epidermal growth factor receptor binding; growth factor activity;