



Anti-AREG monoclonal antibody, clone 42332 (DCABY-3963)

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 human Amphiregulin (AR) in Western blots. In this format, this antibody shows less than 5% cross-reactivity with recombinant human HB-EGF.
Immunogen	E. coli-derived recombinant human Amphiregulin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	42332
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair), Neutralization
Format	Liquid
Size	100 µg, 500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
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 from date of receipt, 2 to 8 °C, reconstituted.
	6 months from date of receipt, -20 to -70 °C, reconstituted.

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;