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Datasheet for ABIN392202 anti-Amphiregulin antibody (C-Term)

2 Images



Overview

Quantity:	400 µL
Target:	Amphiregulin (AREG)
Binding Specificity:	AA 222-252, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Amphiregulin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This AREG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-252 amino acids from the C-terminal region of human AREG.
Clone:	RB14426
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

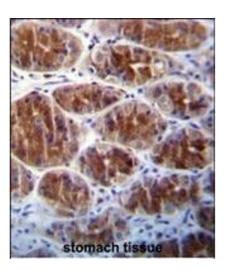
Target Details

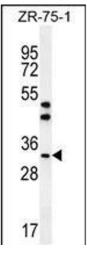
Target:	Amphiregulin (AREG)
Alternative Name:	AREG (AREG Products)

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Target Details	
Background:	AREG 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 protein is associated with a psoriasis-like skin phenotype.
Molecular Weight:	27895
Gene ID:	374
NCBI Accession:	NP_001648
UniProt:	P15514
Pathways:	RTK Signaling, EGFR Signaling Pathway
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AREG Antibody (C-term) (ABIN392202 and ABIN2841903) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of AREG Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. AREG Antibody (C-term) (ABIN392202 and ABIN2841903) western blot analysis in ZR-75-1 cell line lysates ($35 \mu g$ /lane).This demonstrates the AREG antibody detected the AREG protein (arrow).

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