

IHC*easy* AREG Ready-To-Use IHC Kit

Catalog Number: **KHC0808**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

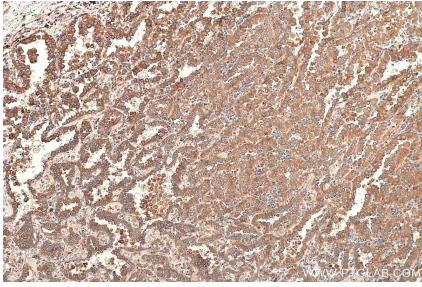
Background

Amphiregulin (AREG) is one of the ligands of the epidermal growth factor receptor (EGFR). AREG plays a central role in mammary gland development and branching morphogenesis in organs and is expressed both in physiological and in cancerous tissues. The AREG protein is synthesized as a 252-amino acid transmembrane precursor, pro-AREG. At the plasma membrane, pro-AREG is subjected to sequential proteolytic cleavages within its ectodomain and is then released as the soluble AREG protein. Depending on the cell type and microenvironment, AREG can be produced in multiple cellular and mature forms using alternative pro-AREG cleavage sites and glycosylation motifs.

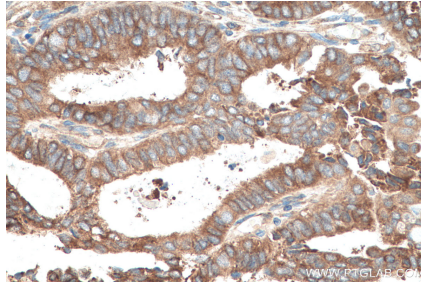
Synonyms

amphiregulin, AR, AREG, AREGB, CRDGF, SDGF

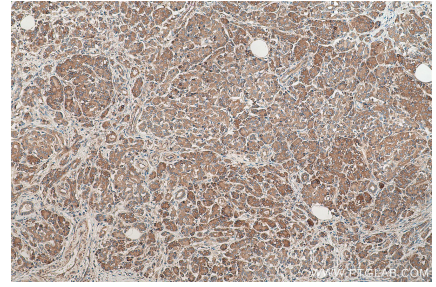
Selected Validation Data



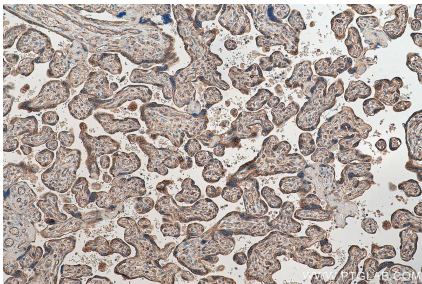
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0808 (Amphiregulin IHC Kit).



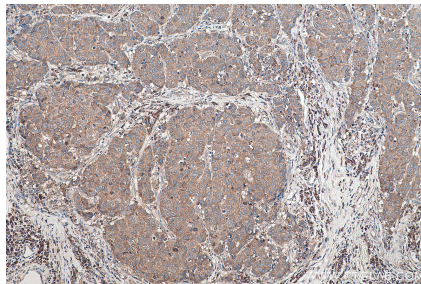
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0808 (Amphiregulin IHC Kit).



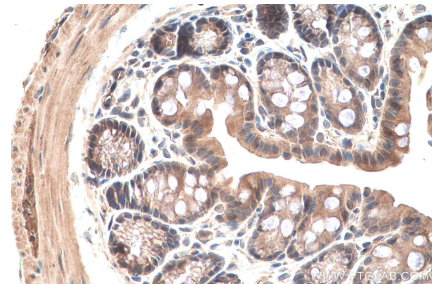
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0808 (Amphiregulin IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC0808 (Amphiregulin IHC Kit).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0808 (Amphiregulin IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC0808 (Amphiregulin IHC Kit).