



## Datasheet for ABIN7004856 anti-Epiregulin antibody



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	20 µL
Target:	Epiregulin (EREG)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Epiregulin antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

#### Product Details

Immunogen:	Synthetic peptide of human EREG
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

#### Target Details

Target:	Epiregulin (EREG)
Alternative Name:	EREG ( <a href="#">EREG Products</a> )
Background:	EREG (Epiregulin) is a Protein Coding gene. Diseases associated with EREG include Breast Cancer. Among its related pathways are RET signaling and ErbB signaling pathway. GO annotations related to this gene include growth factor activity and epidermal growth factor receptor binding. This gene encodes a secreted peptide hormone and member of the epidermal

## Target Details

---

growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues.

UniProt: [O14944](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#)

## Application Details

---

Application Notes: IHC 1:30-1:150, ELISA 1:5000-1:10000

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 0.96 mg/mL

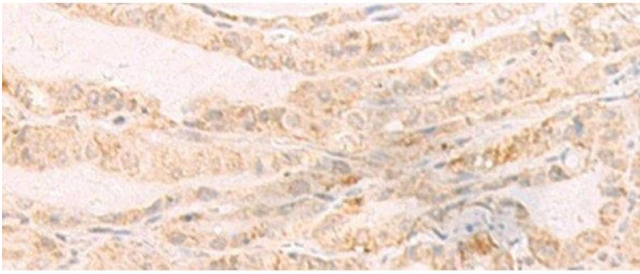
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using EREG Polyclonal Antibody at dilution of 1:35(x200)