

**ARG55577**  
anti-EREG antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes EREG
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EREG
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 137-165 (C-terminus) of Human EREG.
Conjugation	Un-conjugated
Alternate Names	Proepiregulin; EPR; Ep; ER

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

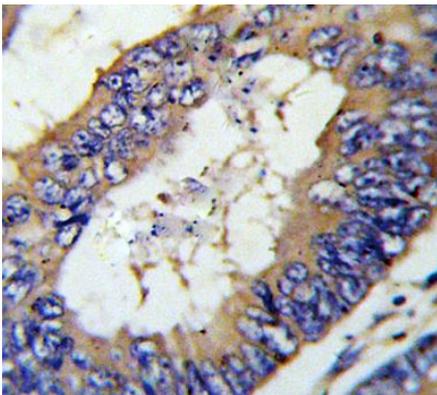
## Bioinformation

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Database links	<a href="#">GeneID: 2069 Human</a> <a href="#">Swiss-port # O14944 Human</a>
Gene Symbol	EREG
Gene Full Name	epiregulin
Background	This gene encodes a secreted peptide hormone and member of the epidermal 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. [provided by RefSeq, Jul 2015]
Function	Ligand of the EGF receptor/EGFR and ERBB4. May be a mediator of localized cell proliferation. As a mitogen it may stimulate cell proliferation and/or angiogenesis. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	19 kDa
Cellular Localization	Epiregulin: Secreted, extracellular space.

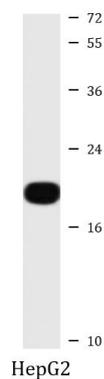
## Images

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ARG55577 anti-EREG antibody IHC-P image

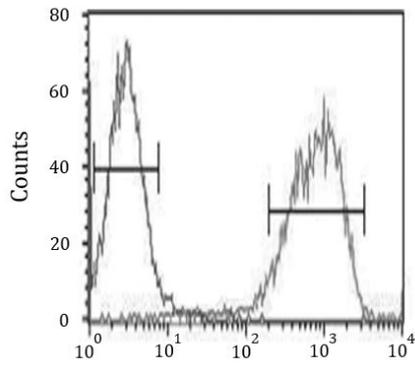
Immunohistochemistry: Formalin-fixed and paraffin-embedded colon carcinoma stained with ARG55577 anti-EREG antibody.



ARG55577 anti-EREG antibody WB image

Western blot: 20 µg of HepG2 cell lysate stained with ARG55577 anti-EREG antibody at 1:1000 dilution.

### ARG55577 anti-EREg antibody FACS image



Flow Cytometry: HepG2 cells stained with ARG55577 anti-EREg antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.