

EREG Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5474

Product Information

Application WB, FC, IHC-P **Primary Accession** 014944 Reactivity Human **Predicted** Mouse Host Rabbit Clonality Polyclonal **Calculated MW** 19 KDa Isotype Rabbit IgG **Antigen Source HUMAN**

Additional Information

Antigen Region 137-165

Other Names Proepiregulin, Epiregulin, EPR, EREG

Dilution WB~~1:2000 FC~~1:25 IHC-P~~1:100~500

Target/Specificity This EREG antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 137-165 amino acids from the

C-terminal region of human EREG.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions EREG Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

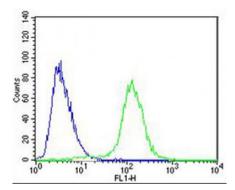
Background

EREG is a member of the epidermal growth factor family. EREG can function as a ligand of EGFR (epidermal growth factor receptor), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors.

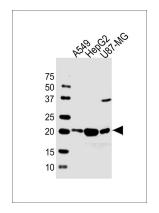
References

Ben-Ami, I., et al. Hum. Reprod. 24(1):176-184(2009) Cho, M.C., et al. Biochem. Biophys. Res. Commun. 377(3):832-837(2008) Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008)

Images



Overlay histogram showing Hela cells stained with AW5474 (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AW5474, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



All lanes: Anti-EREG Antibody (C-term) at 1:1000 dilution Lane 1: A549 whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: U87-MG whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size: 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AW5474 staining EREG in Human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.