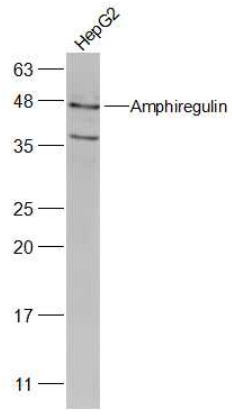
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

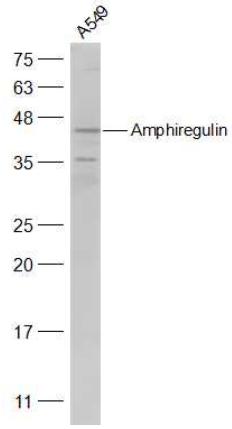
Amphiregulin Rabbit pAb

Catalog Number:	bs-3847R
Target Protein:	Amphiregulin
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Sheep, Cow, Dog, Horse)
Predicted MW:	16 kDa
Entrez Gene:	374
Swiss Prot:	P15514
Source:	KLH conjugated synthetic peptide derived from human Amphiregulin: 185-252/252.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Amphiregulin expression is induced by phorbol ester, estrogen, androgen, and other EGFR ligands. In vitro, amphiregulin functions as an autocrine growth stimulator to drive proliferation of colon carcinoma cells, normal and oncogene-transformed mammary epithelial cells, cervical carcinoma cells, prostate cancer cells, and keratinocytes. Amphiregulin is important in the development of human placenta and murine mammary gland. It is reportedly overexpressed in human cancers of breast, colon, stomach and pancreas.

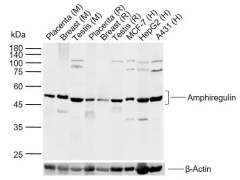
VALIDATION IMAGES



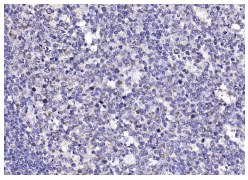
Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-Amphiregulin (bs-3847R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 41 kD



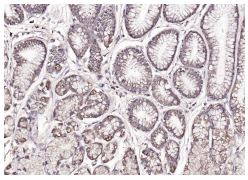
Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-Amphiregulin (bs-3847R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 41 kD



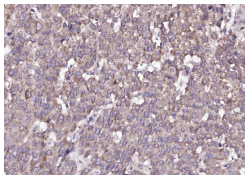
Sample: Lane 1: Mouse Placenta tissue lysates Lane 2: Mouse Breast tissue lysates Lane 3: Mouse Testis tissue lysates Lane 4: Rat Placenta tissue lysates Lane 5: Rat Breast tissue lysates Lane 6: Rat Testis tissue lysates Lane 7: Human MCF-7 cell lysates Lane 8: Human HepG2 cell lysates Lane 9: Human A431 cell lysates Primary: Anti- Amphiregulin (bs-3847R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 16 kDa Observed band size: 47 kDa



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Amphiregulin) Polyclonal Antibody, Unconjugated (bs-3847R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Amphiregulin) Polyclonal Antibody, Unconjugated (bs-3847R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Amphiregulin) Polyclonal Antibody, Unconjugated (bs-3847R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8] Si-Ting Chen. et al. The activation of cGAS-STING pathway causes abnormal uterine receptivity in aged mice. AGING CELL. 2024 Aug;:e14303 IF,WB ; Mouse . 39113346

[IF=6.684] Huihua Kai. et al. LncRNA NORAD Promotes Vascular Endothelial Cell Injury and Atherosclerosis Through Suppressing VEGF Gene Transcription via Enhancing H3K9 Deacetylation by Recruiting HDAC6. Front Cell Dev Biol. 2021; 9: 701628 WB ; Human . 34307380

[IF=6.823] Bonnie Douglas. et al. Transgenic expression of a T cell epitope in Strongyloides ratti reveals that helminth-specific CD4+ T cells constitute both Th2 and Treg populations. Plos Pathog. 2021 Jul;17(7):e1009709 IF ; Rat . 34237106

[IF=4.6] c "Evaluation of estrogenic potency of a standardized hops extract on mammary gland biology and on MNU-induced mammary tumor growth in rats." The Journal of Steroid Biochemistry and Molecular Biology (2017). IHC ; ="Rat" . 28964928

[IF=5.192] Man She. et al. AREG is involved in scleral remodeling in form-deprivation myopia via the ERK1/2-MMP-2 pathway. FASEB J. 2022 May;36(5):e22289 IF ; Pig . 35436023