

bs-1458R**[Primary Antibody]****BioSS**
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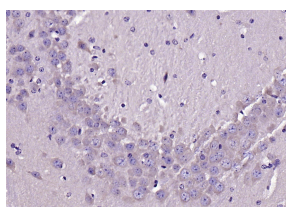
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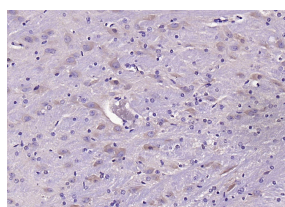
400-901-9800

LIFR Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 81680	SWISS: O70535	IF (1:100-500)
Target: LIFR		Reactivity: Human, Mouse, Rat (predicted: Cow, Dog)
Immunogen: KLH conjugated synthetic peptide derived from the middle of rat LIFR: 451-580/1093. < Extracellular >		
Purification: affinity purified by Protein A		Predicted MW.: 117 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (LIFR) Polyclonal Antibody, Unconjugated (bs-1458R) 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 (rat brain); 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 (LIFR) Polyclonal Antibody, Unconjugated (bs-1458R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.6]** Lakshana Sreenivasan. et al. Targeting the gp130/STAT3 Axis Attenuates Tumor Microenvironment Mediated Chemoresistance in Group 3 Medulloblastoma Cells. Cells-Basel. 2022 Jan;11(3):381 FCM ;Human. 35159191
- **[IF=4.16]** Murphy, Melinda J., et al. "Leukemia Inhibitory Factor is Necessary for Ovulation in Female Rhesus Macaques." Endocrinology (2016): en-2016. IHC ;Other Species. 27571132

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.4]** Bin Ma. et al. IFNT-induced IRF1 enhances bovine endometrial receptivity by transactivating LIFR. J REPROD IMMUNOL. 2024 Feb;;104212 WB,IHC ;Bovine. 38432052
- **[IF=1.829]** Zhong Y et al. Isolation of primitive mouse extraembryonic endoderm (pXEN) stem cell lines.Stem Cell Res. 2018 Jul;30:100-112. ICC ;Mouse. 29843002