bs-1441R **[Primary Antibody]**

CXCL16 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 58191 **SWISS:** Q9H2A7

Target: CXCL16

Immunogen: KLH conjugated synthetic peptide derived from the middle of human CXCL16: 85-200/247.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: CXCL16 acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis. It induces a strong chemotactic response and calcium mobilization. It binds to CXCR6/Bonzo.

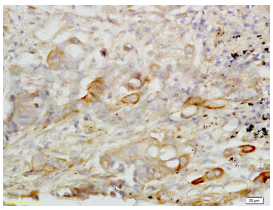
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (3ug/Test)

Reactivity: Human, Mouse
(predicted: Rat)

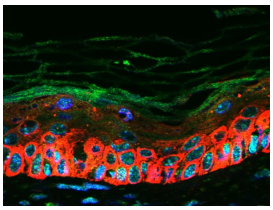
Predicted MW.: 27 kDa

Subcellular Location: Secreted ,Cell membrane

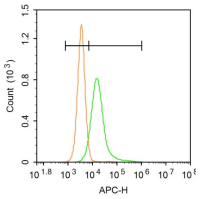
VALIDATION IMAGES



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CXCL16 Polyclonal Antibody, Unconjugated(bs-1441R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Images kindly provided by Dr. Denny Cottle from the publication, Fetal inhibition of inflammation improves disease phenotypes in Harlequin Ichthyosis.Formalin-fixed and paraffin embedded mouse skin probed with Rabbit Anti-CXCL16 Polyclonal Antibody (bs-1441R) at 1:50 for two hours at room temperature (green channel).



Blank control: A431. Primary Antibody (green line): Rabbit Anti-CXCL16 antibody (bs-1441R) Dilution: 3µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 3µg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=16.6]** Broz Marina T.. et al. Metabolic targeting of cancer associated fibroblasts overcomes T-cell exclusion and chemoresistance in soft-tissue sarcomas. NAT COMMUN. 2024 Mar;15(1):1-18 FCM ;Mouse. 38509063
- **[IF=15.8]** Wuxian Deng. et al.Leveraging Vitamin C to Augment Nanoenabled Photothermal Immunotherapy..ACS Nano.2025 Mar 26. IF ;Mouse. 40138545
- **[IF=12.8]** Christine Bender. et al. Gene-expression profiling of laser-dissected islets and studies in deficient mice reveal chemokines as differential driving force of type 1 diabetes. J AUTOIMMUN. 2024 Feb;143:103161 IHC ;Mouse. 38141419
- **[IF=9.2]** Jiang Wei. et al. CD8 T cells induce the peritubular capillary rarefaction during AKI to CKD transition. INT J BIOL SCI. 2024 May;20(8):2980-2993 IF ;Mouse. 10.7150/ijbs.96812

- **[IF=8.063]** Hu ZB et al. Dysbiosis of intestinal microbiota mediates tubulointerstitial injury in diabetic nephropathy via the disruption of cholesterol homeostasis. Theranostics. 2020 Feb 3;10(6):2803-2816. IHC,WB,IF ;rat. 32194836