SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CXCL16 antibody

Catalog Number: SL1441R

FOR RESEARCH USE ONLY

[DATASHEET]

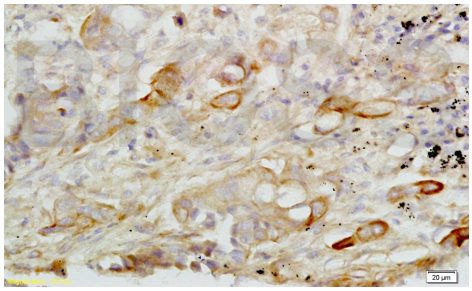
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CXCL16
Immunogen:	KLH conjugated synthetic peptide derived from the middle of human CXCL16: 85-200/247
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 Flow-Cyt=3ug/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat)
Predicted MW.:	27kDa
Subcellular Location:	The cell membrane Secretory protein
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. **Subcellular Location:** Cell membrane. Secreted. Also exists as a soluble form. **Tissue Specificity:** Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow. **Similarity:** Belongs to the intercrine alpha (chemokine CxC) family. **Database links:**

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

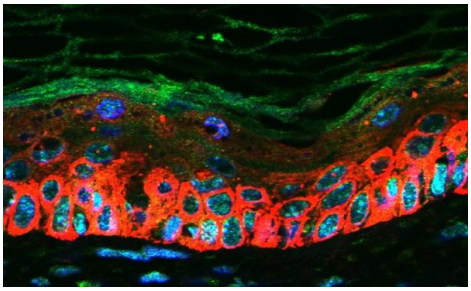
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	Entrez Gene: 58191 Human Omim: 605398 Human **SwissProt:** Q9H2A7 Human **Unigene:** 513885 Human

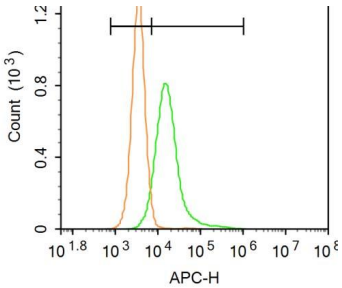
[VALIDATION IMAGES]



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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℃ for 20 min;
Incubation: Anti-CXCL16 Polyclonal Antibody, Unconjugated(SL1441R) 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 (SL1441R) at 1:50 for two hours at room temperature (green channel).



Blank control: A431.
Primary Antibody (green line): Rabbit Anti-CXCL16 antibody (SL1441R)
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.

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