

bs-15584R**[Primary Antibody]****PLAC8 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow, Chicken, Dog, Horse)
GeneID: 51316	SWISS: Q9NZF1	Predicted MW.: 13 kDa
Target: PLAC8		Subcellular Location: Extracellular matrix, Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human PLAC8 : 51-115/115.		
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: PLAC8 is a 115 amino acid protein belonging to the cornifelin family that is expressed at high levels in plasmacytoid dendritic cells and other organs of the immune system including lymph nodes, spleen, bone marrow and peripheral blood leukocytes, with lower expression in appendix, thymus and fetal liver. Human PLAC8 shares 83% homology with murine PLAC8, where it has been identified in placenta from 9.5-18.5 days postcoitum. The gene encoding PLAC8 maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease		

— SELECTED CITATIONS —

- **[IF=12.1]** Yajing Guo. et al.Targeting S100A8/A9-NCF1 Axis in Tumor microenvironment to Prevent TumorMetastasis by Self-assembled Peptide Nanofibers.Molecular Therapy.2025 Mar 3:S1525-0016(25)00167-4. Western blot ;Mouse. 10.1016/j.ymthe.2025.02.042
- **[IF=12.1]** Yajing Guo. et al.Targeting S100A8/A9-NCF1 axis in tumor microenvironment to prevent tumor metastasis by self-assembled peptide nanofibers.Molecular Therapy.2025 Mar 3:S1525-0016(25)00167-4. Western blot ;Mouse. 40040282