

Rabbit anti-Human CXCL1 Polyclonal Antibody | anti-CXCL1 antibody

Anti-CXCL1 Antibody, Rabbit Polyclonal

CATALOG # AAA254174	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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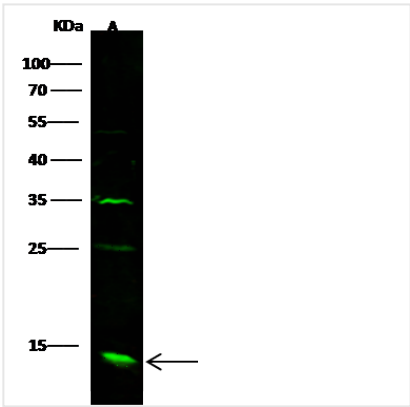
PRODUCT SYNONYMS

CXCL1; Polyclonal Antibody; Anti-CXCL1 Antibody; Rabbit Polyclonal; CXCL1 Antibody; Rabbit PAb; Antigen Affinity Purified; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity; alpha); Anti-CA21H Antibody; Anti-CAH1 Antibody; Anti-CPS1 Antibody; Anti-CYP21 Antibody; Anti-CYP21B Antibody; Anti-FSP Antibody; Anti-GRO1 Antibody; Anti-GROa Antibody; Anti-MGSA Antibody; Anti-MGSA-a Antibody; Anti-NAP-3 Antibody; Anti-P450c21B Antibody; Anti-SCYB1 Antibody; anti-CXCL1 antibody

PRODUCT SPECIFICATIONS

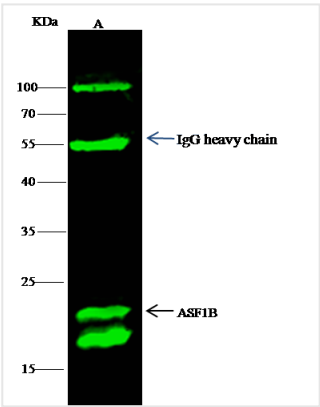
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CXCL1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CXCL1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human CXCL1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human CXCL1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-CXCL1 rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:11 kDaObserved band size:13 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)

ASF1B was immunoprecipitated using:Lane A:0.5 mg K562 Whole Cell Lysate0.5 uL anti-ASF1B rabbit monoclonal antibody and 60 ug of Immunomagnetic beads Protein G.Primary antibody:Anti-ASF1B rabbit monoclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 22 kDaObserved band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CXCL1 antibody	The Chemokine (C-X-C motif) Ligand 1, CXCL1, is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GRO γ , KC, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-a). CXCL1 already known to be important in osteoarthritis (OA), as a novel target gene of transcription factor AP-2 γ in chondrocytes and support the important role of AP-2 γ in cartilage. CXCL1 is a potent neutrophil chemoattractant with recognized roles in angiogenesis and inflammation. CXCL1 is a novel immediate PTH/PTHrP-responsive gene. CXCL1 may act as a chemoattractant for osteoclast precursors. CXCL1 may also have important pro-nociceptive effects via its direct actions on sensory neurons, and may induce long-term changes that involve protein synthesis. CXCL1 plays a critical nonredundant role in the development of experimental Lyme arthritis and carditis via CXCR2-mediated recruitment of neutrophils into the site of infection. CXCL1 functions through CXCR2 to transactivate the EGFR by proteolytic cleavage of HB-EGF, leading to activation of MAPK signalling and increased proliferation of epithelial ovarian cancer (EOC) cells. It might limit tumor growth by reinforcing senescence early in tumorigenesis. Thus, CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis.
Product Categories/Family for anti-CXCL1 antibody	IL17 signaling pathway
References	Wang JG, et al. (2008) The chemokine CXCL1/growth related oncogene increases sodium currents and neuronal excitability in small diameter sensory neurons. Mol Pain. 4: 38.Acosta JC, et al. (2009) A role for CXCR2 in senescence, but what about in cancer? Cancer Res. 69(6): 2167-70.Onan D, et al. (2009) The chemokine Cxcl1 is a novel target gene of parathyroid hormone (PTH)/PTH-related protein in committed osteoblasts. Endocrinology. 150(5): 2244-53.Ritzman AM, et al. (2010) The chemokine receptor CXCR2 ligand KC (CXCL1) mediates neutrophil recruitment and is critical for development of experimental Lyme arthritis and carditis. Infect Immun. 78(11): 4593-600.Bolitho C, et al. (2010) The chemokine CXCL1 induces proliferation in epithelial ovarian cancer cells by transactivation of the epidermal growth factor receptor. Endocr Relat Cancer. 17(4): 929-40.Wenke AK, et al. (2011) The transcription factor AP-2 γ regulates CXCL1 during cartilage development and in osteoarthritis. Osteoarthritis Cartilage. 19(2): 206-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NM_001511.3

UniProt Accession #	P09341; Q9UCR7
Molecular Weight	11,301 Da
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MGSA; NAP-3; SCYB1; MGSA-a
NCBI Protein Information	growth-regulated alpha protein; MGSA alpha; GRO-alpha(1-73); C-X-C motif chemokine 1; fibroblast secretory protein; neutrophil-activating protein 3; melanoma growth stimulatory activity alpha; GRO1 oncogene (melanoma growth-stimulating activity); GRO1 onc
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MGSA; SCYB1; MGSA; NAP-3
UniProt Entry Name	GROA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cxcl1-antibody-immunoprecipitation-western-blot-elisa/254174>