



Anti-Human CXCL16

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P111
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hCXCL16. Anti-hCXCL16 specific antibody was purified by affinity chromatography employing immobilized hCXCL16 matrix.

Target Background

Synonyms (Target):	CXCL16; SRPSOX; CXCLG16; SR-PSOX
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NAP-2 or CXCL7 is a CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. It is produced in leukocytes by enzymatic processing of a precursor called platelet basic protein (PBP). NAP-2 chemoattracts and activates neutrophils. Recombinant human NAP-2 protein is a 7.6 kDa protein containing 70 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines, and also including the “ELR” motif common to CXC chemokines that bind to CXCR1 and CXCR2.

Database References Target

Protein RefSeq:	NP_001094282
Uniprot ID:	Q9H2A7
mRNA RefSeq:	NM_001100812

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human CXCL16
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect hCXCL16 by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hCXCL16 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA: To detect hCXCL16 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hCXCL16.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!