



# Anti-CXCL2 polyclonal antibody [Biotin] (DPABY-423)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	CXCL2/GRO beta, also called MIP-2 in mouse and CINC-3 in rat, is a member of the CXC chemokine family. Human CXCL2/GRO beta is 107 amino acids (aa) in length with a predicted molecular weight of 11 kDa. The mouse and rat orthologs share 70% and 71% aa sequence identity with the human protein, respectively. N-terminal aa 1-4 of CXCL2/GRO beta can be post-translationally cleaved which confers enhanced hematopoietic bioactivity. CXCL2/GRO beta is produced by a variety of cell types including monocytes and macrophages at sites of inflammation and is chemotactic for granulocytes, including neutrophils.
<b>Specificity</b>	Detects rat CXCL2/GRO beta/MIP-2/CINC-3 in ELISAs and Western blots. In sandwich immunoassays, less than 0.5% cross-reactivity with recombinant rat (rr)CINC-2 beta is observed and less than 0.1% cross-reactivity with recombinant mouse (rm)MIG, rmMIP-2, rrCINC-1, and rrCINC-2 alpha is observed.
<b>Immunogen</b>	E. coli-derived recombinant rat CXCL2/GRO beta/MIP-2/CINC-3. Ser32-Asn100 Accession Number P30348
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Rat
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid

<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cxcl2 chemokine (C-X-C motif) ligand 2 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	CXCL2
<b>Synonyms</b>	CXCL2; chemokine (C-X-C motif) ligand 2; Mip-2; Scyb2; C-X-C motif chemokine 2; MIP2; CINC-3; macrophage inflammatory protein 2; small inducible cytokine subfamily, member 2; cytokine-induced neutrophil chemoattractant 3;
<b>Entrez Gene ID</b>	<a href="#">114105</a>
<b>Protein Refseq</b>	<a href="#">NP_446099</a>
<b>UniProt ID</b>	<a href="#">P30348</a>
<b>Chromosome Location</b>	14p22
<b>Pathway</b>	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; Legionellosis;
<b>Function</b>	chemokine activity;