



Rabbit Anti-GRO Alpha antibody

SL10234R

Product Name:	GRO Alpha
Chinese Name:	黑色素瘤生长刺激活性蛋白 α /GRO α 抗体
Alias:	CINC1; GRO-1; CXCL1; C-X-C motif chemokine 1; CALC 1; CALCA; Calcitonin related polypeptide alpha; Catecalcin; CGRP I; CGRP1; CGRPI; Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha); chemokine (C-X-C motif) ligand 1; Chemokine (C-X-C motif) ligand 2; CINC-1; Cxcl1; CXCL2; Cytokine-induced neutrophil chemoattractant 1; Fibroblast secretory protein; Fsp; Gro 1; Gro A; Gro; GRO protein, alpha; Gro1; GRO1 oncogene (melanoma growth stimulating activity, alpha); GRO1 oncogene (melanoma growth-stimulating activity); Gro1 oncogene; GRO α ; GROA_HUMAN; Growth regulated protein GRO; Growth regulated protein GRO; Growth-regulated alpha protein; Katalcalcin; KC; KC chemokine, mouse, homolog of; melanoma growth stimulatory activity alpha; Melanoma growth stimulatory activity; Melanoma growth stimulatory activity, alpha; MGC126648; MGSA alpha; MGSA; MGSA-a; N51; NAP-3; NAP3; Neutrophil-activating protein 3; Platelet-derived growth factor-inducible protein KC; Platelet-derived growth factor-inducible protein KC; Scyb 1; Scyb1; Secretory protein N51; Secretory protein N51; Small inducible cytokine subfamily B, member 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	7.8kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse GRO Alpha:51-107/107
Lsotype:	IgG

Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The GRO gene was originally identified by subtractive hybridization studies between normal and tumorigenic Chinese hamster embryo fibroblasts. The hamster cDNA was cloned and used as a probe for cloning of the human GRO cDNA. The GROalpha gene initially cloned from T24 cells and the gene in melanoma cells encoding melanoma growth stimulating protein (MGSA) are identical. Human cells contain three closely related, but distinct GRO genes: GRO alpha, GRO beta, and GRO gamma. GRO beta and GRO gamma share 93% and 82% identity, respectively, with GRO alpha at the nucleotide level. GROs are members of the chemokine alpha family that is characterized by the separation with one amino acid of the first two cysteine residues, C-X-C, in the amino acid sequence. The GRO gene has been mapped to chromosome 4q21. In normal cells, human mRNA GRO expression is found in foreskin fibroblasts, synovial fibroblasts, chondrocytes and osteocytes. Additionally, GRO mRNA has been detected in mammary fibroblasts, mammary epithelial cells, endothelial cells, activated monocytes, macrophages, and neutrophils. Characterization of the GROalpha receptor indicates the presence of low and high affinity receptors on human neutrophils.</p> <p>Function: Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.</p> <p>Subcellular Location: Secreted.</p> <p>Post-translational modifications: N-terminal processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) are produced by proteolytic cleavage after secretion from peripheral blood monocytes.</p> <p>Similarity: Belongs to the intercrine alpha (chemokine CxC) family.</p> <p>SWISS: P12850</p> <p>Gene ID: 14825</p> <p>Database links:</p>

[Entrez Gene: 2919](#) Human

[Entrez Gene: 14825](#) Mouse

[Entrez Gene: 81503](#) Rat

[Omim: 155730](#) Human

[SwissProt: P09341](#) Human

[SwissProt: P12850](#) Mouse

[SwissProt: P14095](#) Rat

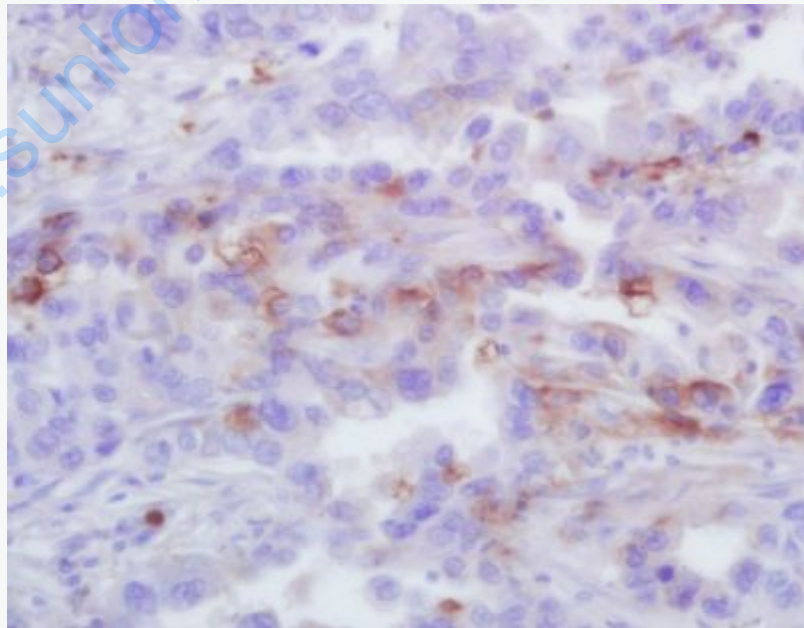
[Unigene: 708652](#) Human

[Unigene: 789](#) Human

Important Note:

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

Picture:



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, 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°C for 20 min;

Incubation: Anti-GRO Alpha Polyclonal Antibody, Unconjugated(SL10234R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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