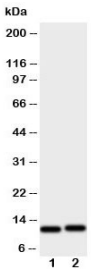
GRO alpha Antibody (R30853)

Catalog No.	Formulation	Size
R30853	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P09341
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GRO alpha antibody is available for research use only.



Western blot testing of GRO alpha antibody and human samples: 1) HeLa and 2) Jurkat cell lysate. Predicted molecular weight ~11 kDa.

Description

CXCL1 (Chemokine, CXC motif, Ligand 1), also called GRO1, SCYB1, GROA or MGSA, is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GRO alpha, KC, Neutrophil-activating protein 3(NAP-3) and melanoma growth stimulating activity, alpha (MSGA-alpha). In humans, this protein is encoded by the CXCL1 gene. It is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. It is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. CXCL1/GROA 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. Signaling through CXCR2, CXCL1/GROA inhibited oligodendrocyte precursor migration. The migrational arrest was rapid, reversible, and

concentration dependent, and it reflected enhanced cell/substrate interactions.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GRO alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human GROA (KMLNSDKSN) was used as the immunogen for this GRO alpha antibody.

Storage

After reconstitution, the GRO alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.