

Datasheet for ABIN741900
anti-CXCL5 antibody (AA 51-132)[2 Images](#)[7 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CXCL5
Binding Specificity:	AA 51-132
Reactivity:	Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCL5 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CXCL5
Isotype:	IgG
Cross-Reactivity:	Mouse, Rabbit, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CXCL5
Alternative Name:	CXCL5 (CXCL5 Products)

Target Details

Background:	Synonyms: LIX, GCP-2, Scyb5, Scyb6, ENA-78, AMCF-II, C-X-C motif chemokine 5, Cytokine LIX, Small-inducible cytokine B5, Cxcl5 Background: May participate in the recruitment of inflammatory cells by injured or infected tissue. GCP-2(1-78) and, more potent, GCP-2(9-78) attract neutrophils and are involved in neutrophil activation.
Gene ID:	20311
UniProt:	P50228
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Bortell, Basova, Semenova, Fox, Ravasi, Marcondes: "Astrocyte-specific overexpressed gene
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signatures in response to methamphetamine exposure in vitro." in: **Journal of neuroinflammation**, Vol. 14, Issue 1, pp. 49, (2018) ([PubMed](#)).

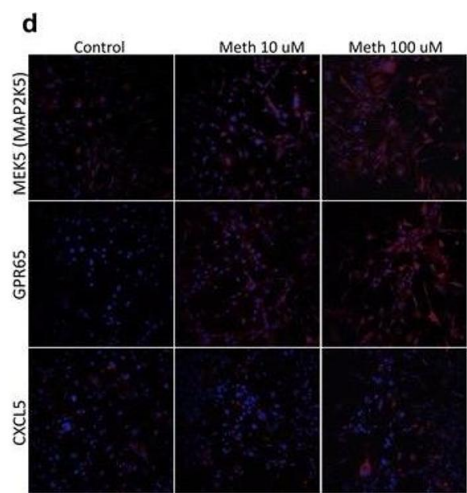
Hassan Gaballah, Fukuta, Maeno, Seko-Nakamura, Monma-Ohtaki, Shibata, Kato, Aoki, Takamiya: "Simultaneous time course analysis of multiple markers based on DNA microarray in incised wound in skeletal muscle for wound aging." in: **Forensic science international**, Vol. 266, pp. 357-68, (2016) ([PubMed](#)).

Randall-Demllo, Fernando, Brain, Sohal, Cook, Guven, Kunde, Spring, Eri: "Characterisation of colonic dysplasia-like epithelial atypia in murine colitis." in: **World journal of gastroenterology**, Vol. 22, Issue 37, pp. 8334-8348, (2016) ([PubMed](#)).

Ito, Katano, Kawai, Yagoto, Takahashi, Ka, Ogura, Takahashi, Ito: "A Novel Xenogeneic Graft-Versus-Host Disease Model for Investigating the Pathological Role of Human CD4(+) or CD8(+) T Cells Using Immunodeficient NOG Mice." in: **American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons**, Vol. 17, Issue 5, pp. 1216-1228, (2016) ([PubMed](#)).

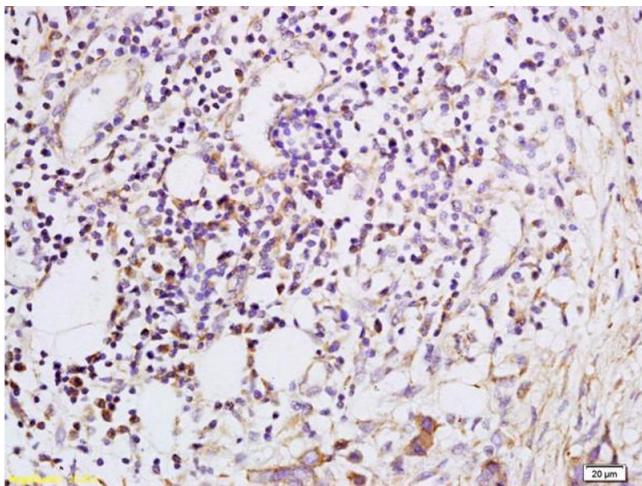
Wang, Lu, Dey, Deng, Wu, Jiang, Fang, Zhao, Konaparthi, Hua, Zhang, Li-Ning-Tapia, Kapoor, Wu, Patel, Guo, Ramamoorthy, Tieu, Heffernan, Zhao, Shang, Khadka, Hou, Hu, Jin, Yao, Pan, Ding, Shi, Li et al.: "Targeting YAP-Dependent MDSC Infiltration Impairs Tumor Progression. ..." in: **Cancer discovery**, Vol. 6, Issue 1, pp. 80-95, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Immunofluorescence (Cultured Cells)

Image 1. Validation of selected upregulated genes. a Transcriptional levels of MAP2K5, GPR65, and CXCL5 in astrocytes stimulated with 1, 10, and 100 μ M of Meth for 24 h, examined by SyBrGreen qRT-PCR. Results are the Mean \pm SEM of three independent experiments performed in duplicate. b Representative western blots for detection of MEK5, the protein encoded by MAP2K5 gene, GPR65, and normalizing b-actin, in protein extracts from astrocytes stimulated with 1, 10, and 100 μ M of Meth for 24 h. c Normalized band intensity was calculated in ImageJ software (NIH). d Confocal imaging showing representative astrocytic cultures stained with specific antibodies for detection of MEK5, GPR65, and CXCL5 in 10 and 100 μ M Meth treatments. e Fluorescence intensity of the expression of MEK5, GPR65, and CXCL5 was calculated in ImageJ (NIH) for cultures stimulated with 1, 10, and 100 μ M, as well as controls. * p <0.05 in one-way ANOVA followed by Bonferroni's post hoc comparison against control conditions - figure provided by CiteAb. Source: PMID28279172



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded Human esophageal carcinoma labeled with Anti-CXCL5 Polyclonal Antibody, Unconjugated (ABIN741900) at 1:200, followed by conjugation to the secondary antibody and DAB staining