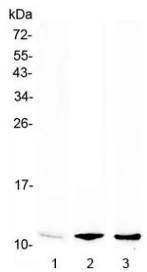
CXCL7 Antibody / PPBP / NAP-2 (RQ4113)

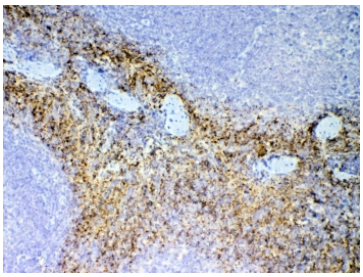
Catalog No.	Formulation	Size
RQ4113	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9EQI5
Localization	Secreted
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This CXCL7 antibody is available for research use only.



Western blot testing of mouse 1) bone marrow, 2) lung and 3) spleen lysate with CXCL7 antibody at 0.5ug/ml. Predicted molecular weight: 8~14 kDa.



IHC testing of FFPE mouse spleen tissue with CXCL7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Chemokine (C-X-C motif) ligand 7 (CXCL7), also known as NAP2 or Pro-Platelet basic protein (PPBP), is a human gene. The protein encoded by this gene is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. Furthermore, the protein is an antimicrobial protein with bactericidal and antifungal activity.

Application Notes

Optimal dilution of the CXCL7 antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids K40-Y113 was used as the immunogen for the CXCL7 antibody.

Storage

After reconstitution, the CXCL7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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