

Datasheet for ABIN5689091 **anti-CXCL7 antibody**

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Overview

Quantity:	0.1 mg
Target:	CXCL7 (PPBP)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hNAP-2 (human Neutrophil Activating Protein-2).
Purification:	Anti-hNAP-2 specific antibody was purified by affinity chromatography employing immobilized hNAP-2 matrix.

Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	NAP-2 (PPBP Products)
Background:	NAP2 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 sythesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells.

Target Details

Gene ID: 5473

UniProt: [P02775](#)

Application Details

Application Notes:

Neutralization:

To yield one-half maximal inhibition [ND50] of the biological activity of hNAP-2 (50.00 ng/mL), a concentration of 1.75 - 3.0 µg/mL of this antibody is required.

ELISA:

To detect hNAP-2 by direct ELISA (using 100 µL/well antibody solution) a concentration of at least 0.5 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hNAP-2.

Sandwich:

To detect hNAP-2 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our Biotinylated Anti-Human NAP-2 (XP-5244Bt) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hNAP-2.

Western Blot:

To detect hNAP-2 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hNAP-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: -20 °C

Storage Comment: NAP-2 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6

months when stored at -20°C. Avoid repeated freeze-thaw cycles.