

## Datasheet for ABIN116185 **anti-CXCL7 antibody (Biotin)**

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### Overview

|              |                                                 |
|--------------|-------------------------------------------------|
| Quantity:    | 25 µg                                           |
| Target:      | CXCL7 (PPBP)                                    |
| Reactivity:  | Human                                           |
| Host:        | Rabbit                                          |
| Clonality:   | Polyclonal                                      |
| Conjugate:   | This CXCL7 antibody is conjugated to Biotin     |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

### Product Details

|               |                                                 |
|---------------|-------------------------------------------------|
| Immunogen:    | Highly pure (>98%) recombinant hNAP-2.          |
| Specificity:  | Human Neutrophil Activating Protein-2 (hNAP-2). |
| Purification: | Affinity chromatography.                        |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CXCL7 (PPBP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | NAP2 / PPBP / CXCL7 ( <a href="#">PPBP Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 |

## Target Details

|                 |                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | synovial cells.Synonyms: C-X-C motif chemokine 7, CTAP3, Leukocyte-derived growth factor, Macrophage-derived growth factor, SCYB7, Small-inducible cytokine B7, TGB1, THBGB1 |
| Gene ID:        | 5473                                                                                                                                                                         |
| NCBI Accession: | <a href="#">NP_002695</a>                                                                                                                                                    |
| UniProt:        | <a href="#">P02775</a>                                                                                                                                                       |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>ELISA: To detect hNAP-2 by direct ELISA (using 100 l/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 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. Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Handling

|                  |                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution:  | Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.                                                      |
| Buffer:          | PBS, pH 7.2 without preservatives.                                                                                                    |
| Preservative:    | Without preservative                                                                                                                  |
| Handling Advice: | Avoid repeated freezing and thawing. Centrifuge vial prior to opening!                                                                |
| Storage:         | 4 °C/-20 °C                                                                                                                           |
| Storage Comment: | Store the antibody prior to reconstitution at -20 °C. Following reconstitution store at 2-8 °C for one month or at -20 °C for longer. |