

**Anti-Human SDF-1 $\alpha$  Antibody**  
**Catalog # ABG10500****Specification****Anti-Human SDF-1 $\alpha$  Antibody - Product Information**

|             |                   |
|-------------|-------------------|
| Application | <b>WB, IHC, E</b> |
| Reactivity  | <b>Human</b>      |
| Host        | <b>Rabbit</b>     |
| Clonality   | <b>Polyclonal</b> |

**Anti-Human SDF-1 $\alpha$  Antibody - Additional Information****Preparation**

Produced from sera of rabbits pre-immunized with highly pure recombinant Human SDF-1 $\alpha$ . Anti-Human SDF-1 $\alpha$  specific antibody was purified by affinity chromatography employing immobilized Human SDF-1 $\alpha$  matrix.

**WesternBlot**

To detect Human SDF-1 $\alpha$  by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2  $\mu$ g/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human SDF-1 $\alpha$  is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

**Sandwich**

To detect Human SDF-1 $\alpha$  by sandwich ELISA (using 100  $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0  $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems's Biotinylated Anti-Human SDF-1 $\alpha$  (60-294BT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human SDF-1 $\alpha$ .

**Immunohistochemistry**

This antibody stained formalin-fixed, paraffin-embedded sections of human colorectal adenocarcinoma. The recommended concentration is 0.5  $\mu$ g/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.   
   
 **\*Additional Immunostaining data available. Please contact Tech Support for information.**

**Neutralization**

To yield one-half maximal inhibition [**ND**<sub>50</sub>] of the biological activity of Human SDF-1 $\alpha$  (100 ng/ml), a concentration of 2-4  $\mu$ g/ml of this antibody is required.

**Formulation**

A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.

**Reconstitution**

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

**Storage**

-20°C

**Precautions**

Anti-Human SDF-1 $\alpha$  Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Human SDF-1 $\alpha$  Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human SDF-1 $\alpha$  Antibody - Images**