

**NSEP1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant YBX1.****Catalog # AT3119a****Specification**

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**NSEP1 Antibody (monoclonal) (M01) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IF, E                 |
| Primary Accession | <a href="#">P67809</a>    |
| Other Accession   | <a href="#">NM_004559</a> |
| Reactivity        | Human                     |
| Host              | Mouse                     |
| Clonality         | Monoclonal                |
| Isotype           | IgG2a Kappa               |
| Calculated MW     | 35924                     |

**NSEP1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 4904**Other Names**

Nuclease-sensitive element-binding protein 1, CCAAT-binding transcription factor I subunit A, CBF-A, DNA-binding protein B, DBPB, Enhancer factor I subunit A, EFI-A, Y-box transcription factor, Y-box-binding protein 1, YB-1, YBX1, NSEP1, YB1

**Target/Specificity**

YBX1 (NP\_004550, 51 a.a. ~ 139 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IF~~1:50~200

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

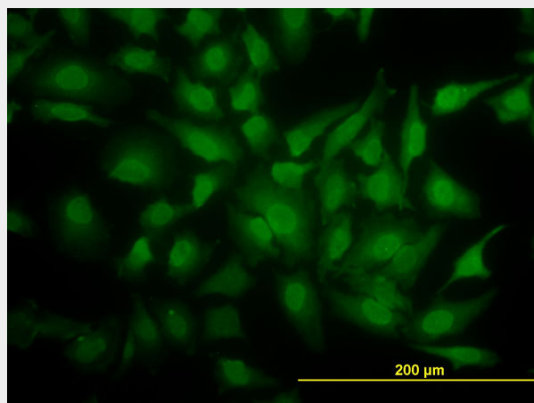
NSEP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

**NSEP1 Antibody (monoclonal) (M01) - Protocols**

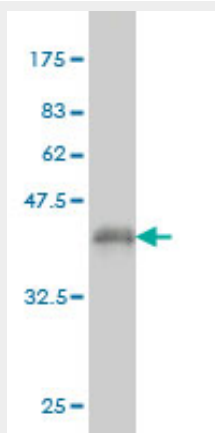
Provided below are standard protocols that you may find useful for product applications.

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

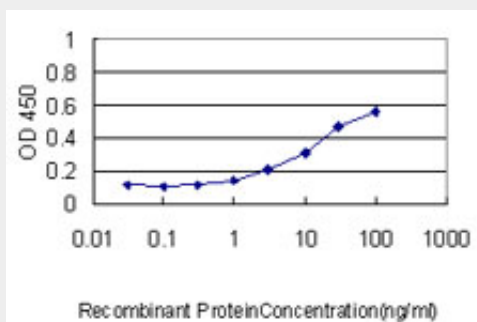
## NSEP1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to YBX1 on HeLa cell. [antibody concentration 20 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



Detection limit for recombinant GST tagged YBX1 is approximately 0.3ng/ml as a capture

antibody.

#### **NSEP1 Antibody (monoclonal) (M01) - References**

YB-1 alters MT1-MMP trafficking and stimulates MCF-7 breast tumor invasion and metastasis. Lovett DH, et al. Biochem Biophys Res Commun, 2010 Jul 30. PMID 20599698. Y-box binding protein-1 is a novel molecular target for tumor vessels. Takahashi M, et al. Cancer Sci, 2010 Jun. PMID 20398058. Y-box binding protein-1 induces the expression of CD44 and CD49f leading to enhanced self-renewal, mammosphere growth, and drug resistance. To K, et al. Cancer Res, 2010 Apr 1. PMID 20332234. Upregulated c-myc expression in multiple myeloma by internal ribosome entry results from increased interactions with and expression of PTB-1 and YB-1. Cobbold LC, et al. Oncogene, 2010 May 13. PMID 20190818. [Effect of YB-1 gene knockdown on human leukemia cell line K562/A02] Xu WL, et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi, 2009 Aug. PMID 20017303.