

**XPO5 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant XPO5.****Catalog # AT4552a****Specification**

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**XPO5 Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | IF, IP, WB, E            |
| Primary Accession | <a href="#">O9HAV4</a>   |
| Other Accession   | <a href="#">BC000129</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 Kappa               |
| Calculated MW     | 136311                   |

**XPO5 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 57510**Other Names**

Exportin-5, Exp5, Ran-binding protein 21, XPO5, KIAA1291, RANBP21

**Target/Specificity**

XPO5 (AAH00129, 1 a.a. ~ 280 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**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**

XPO5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

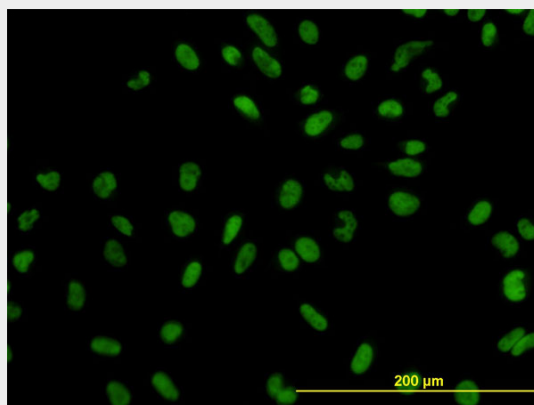
**XPO5 Antibody (monoclonal) (M01) - Protocols**

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

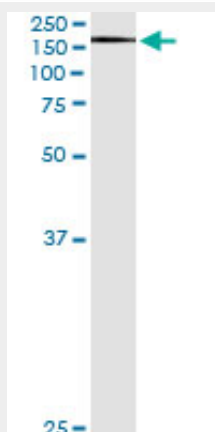
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### XPO5 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to XPO5 on HeLa cell. [antibody concentration 10 ug/ml]

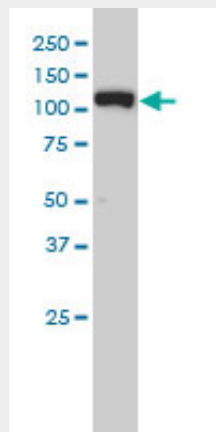


Immunoprecipitation of XPO5 transfected lysate using anti-XPO5 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with XPO5 MaxPab rabbit polyclonal antibody.

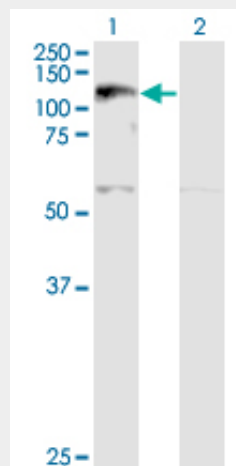


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen

(56.54 KDa) .

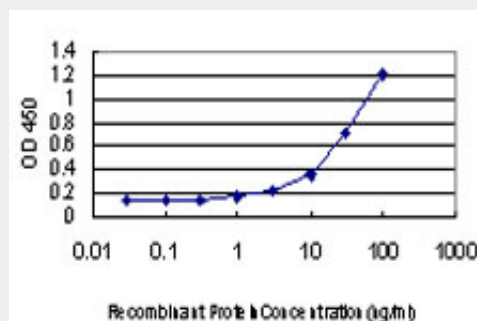


XPO5 monoclonal antibody (M01), clone 2C5-1B3 Western Blot analysis of XPO5 expression in HeLa S3 NE ( Cat # AT4552a )



Western Blot analysis of XPO5 expression in transfected 293T cell line by XPO5 monoclonal antibody (M01), clone 2C5-1B3.

Lane 1: XPO5 transfected lysate(136.3 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged XPO5 is approximately 1ng/ml as a capture antibody.

### XPO5 Antibody (monoclonal) (M01) - Background

Exportin-5 belongs to a large family of karyopherins (see MIM 602738) that mediate the transport of proteins and other cargo between the nuclear and cytoplasmic compartments.

**XPO5 Antibody (monoclonal) (M01) - References**

1. Knock-Down of Core Proteins Regulating MicroRNA Biogenesis Has No Effect on Sensitivity of Lung Cancer Cells to Ionizing Radiation. Surova O, Akbar NS, Zhivotovsky B. PLoS One. 2012;7(3):e33134. Epub 2012 Mar 30. 2. MicroRNAs are expressed and processed by human primary macrophages. Luers AJ, Loudig OD, Berman JW. Cell Immunol. 2010 Mar 27. [Epub ahead of print]