10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# CSE1L Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant CSE1L.
Catalog # AT1651a

## Product Information

| | |
|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | P55060 |
| **Other Accession** | NM_001316 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 kappa |
| **Clone Names** | 1E5 |
| **Calculated MW** | 110417 |

## Additional Information

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|---|---|
| **Gene ID** | 1434 |
| **Other Names** | Exportin-2, Exp2, Cellular apoptosis susceptibility protein, Chromosome segregation 1-like protein, Importin-alpha re-exporter, CSE1L, CAS, XPO2 |
| **Target/Specificity** | CSE1L (NP_001307, 872 a.a. ~ 971 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** | CSE1L Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures. |

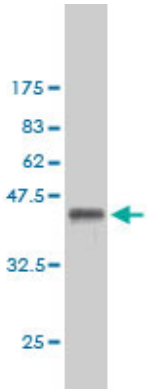
## Background

Proteins that carry a nuclear localization signal (NLS) are transported into the nucleus by the importin-alpha/beta heterodimer. Importin-alpha binds the NLS, while importin-beta mediates translocation through the nuclear pore complex. After translocation, RanGTP binds importin-beta and displaces importin-alpha. Importin-alpha must then be returned to the cytoplasm, leaving the NLS protein behind. The protein encoded by this gene binds strongly to NLS-free importin-alpha, and this binding is released in the cytoplasm by the combined action of RANBP1 and RANGAP1. In addition, the encoded protein may play a role both in apoptosis and in cell proliferation.

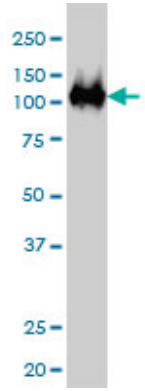
## References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Function of CSE1L/CAS in the secretion of HT-29 human colorectal cells and its expression in human colon. Tsao TY, et al. Mol Cell Biochem, 2009 Jul. PMID 19224336.PHAPI, CAS, and Hsp70 promote apoptosome formation by preventing Apaf-1 aggregation and enhancing nucleotide exchange on Apaf-1. Kim HE, et al. Mol Cell, 2008 Apr 25. PMID 18439902.Dissection of the molecular mechanisms that control the nuclear accumulation of transport factors importin-alpha and CAS in stressed cells. Kodiha M, et al. Cell Mol Life Sci, 2008 Jun. PMID 18425415.CSE1L/CAS, a microtubule-associated protein, inhibits taxol (paclitaxel)-induced apoptosis but enhances cancer cell apoptosis induced by various chemotherapeutic drugs. Liao CF, et al. BMB Rep, 2008 Mar 31. PMID 18377724.

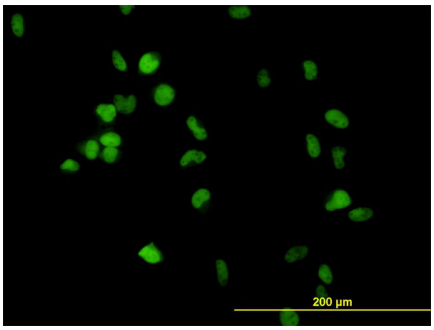
## Images



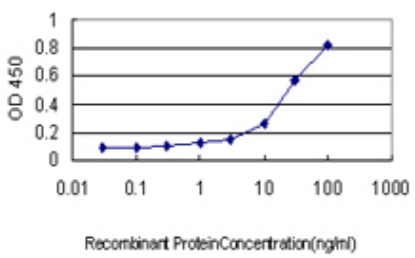

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .




CSE1L monoclonal antibody (M02), clone 1E4 Western Blot analysis of CSE1L expression in K-562 ( (Cat # AT1651a )




Immunofluorescence of monoclonal antibody to CSE1L on HeLa cell. [antibody concentration 10 ug/ml]




Detection limit for recombinant GST tagged CSE1L is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.