

## Datasheet

### CSE1L monoclonal antibody (M08), clone 3D8

**Catalog Number:** H00001434-M08

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant CSE1L.

**Clone Name:** 3D8

**Immunogen:** CSE1L (NP\_001307, 872 a.a. ~ 971 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

LIGLFELPEDDTIPDEEHFIDIEDTPGYQTAFSQLAFAGK  
KEHDPVGMVNNPKIHLAQLHLKSTACPGRVPSMVS  
TSLNAEALQYLQGYLQAARVTL

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

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

**Entrez GeneID:** 1434

**Gene Symbol:** CSE1L

**Gene Alias:** CAS, CSE1, MGC117283, MGC130036, MGC130037, XPO2

**Gene Summary:** 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. [provided by RefSeq]

**References:**

1. CSE1L Links cAMP/PKA and Ras/ERK pathways and regulates the expressions and phosphorylations of ERK1/2, CREB, and MITF in melanoma cells. Lee WR, Shen SC, Wu PR, Chou CL, Shih YH, Yeh CM, Yeh KT, Jiang MC. *Mol Carcinog.* 2015 Sep 1. [Epub ahead of print]
2. hCAS/CSE1L regulates RAD51 distribution and focus formation for homologous recombinational repair. Okimoto S, Sun J, Fukuto A, Horikoshi Y, Matsuda S, Matsuda T, Ikura M, Ikura T, Machida S, Kurumizaka H, Miyamoto Y, Oka M, Yoneda Y, Kiuchi Y, Tashiro S. *Genes Cells.* 2015 Jun 30. [Epub ahead of print]
3. Early decline in serum phospho-CSE1L levels in vemurafenib/sunitinib-treated melanoma and sorafenib/lapatinib-treated colorectal tumor xenografts. Lee WR, Shen SC, Shih YH5, Chou CL, Tseng JT, Chin SY, Liu KH, Chen YC, Jiang MC. *J Transl Med.* 2015 Jun 13;13:191.