## Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com

## ER Ab

Images(2)

Cat.#: BF0674 Concn.: ~1mg/ml Mol.Wt.: 66kDa Size: Source: Mouse Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000

\*The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH

7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C.

Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human ER expressed in E. Coli.

Uniprot: P03372

Description: ER (estrogen receptor 1) a member of the steroid receptor superfamily,

contains highly conserved DNA binding (DBD) and ligand binding domains (LBD). Through its estrogen-independent and estrogen-dependent activation domains (AF-1 and AF-2, respectively), ER regulates transcription by recruiting coactivator proteins and interacting with general transcriptional machinery. Phosphorylation provides an important mechanism to regulate ER activity. ER is phosphorylated on multiple sites. Serines 104, 106, 118 and 167 are located in the amino-terminal transcription activation function domain AF-1, and phosphorylation of these serines plays an important role in regulating ER activity. Ser118 may be the substrate of the transcription

regulatory kinase cdK7.



Figure 2: Western blot analysis using ER mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY ER cDNA (2).

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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