

### 36-1169: Monoclonal Antibody to EMI1 (Early Mitotic Inhibitor-1)(Clone : EMI1/1176)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | EMI1/1176   |
| <b>Application :</b>           | WB,IHC  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | FBXO5   |
| <b>Gene ID :</b>               | 26271   |
| <b>Uniprot ID :</b>            | Q9UKT4  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | FBXO5,EMI1,FBX5   |
| <b>Isotype :</b>               | Mouse IgG2a, kappa  |
| <b>Immunogen Information :</b> | Recombinant fragment (203 amino acid residues between aa 1-250) of human EMI1 protein |

#### Description

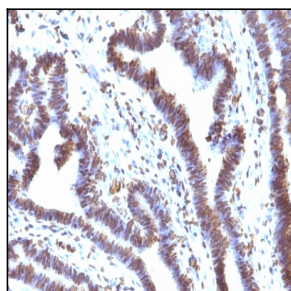
It recognizes a 56kDa protein, which is identified as Early Mitotic Inhibitor-1 (EMI1). It regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). EMI1 is a conserved F box protein containing a zinc-binding region essential for APC inhibition. The EMI1 protein functions to promote cyclin A accumulation and S phase entry in somatic cells by inhibiting the APC complex. At the G1-S transition, EMI1 is transcriptionally induced by the E2F transcription factor. EMI1 overexpression accelerates S-phase entry and can override a G1 block caused by overexpression of Cdh1 or the E2F-inhibitor p105 retinoblastoma protein (pRb). Depleting cells of EMI1 through RNA interference prevents accumulation of cyclin A and inhibits S phase entry.

#### Product Info

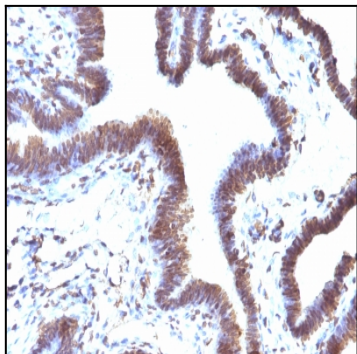
|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

#### Application Note

Western Blot (1-2ug/ml for 60 minutes at RT);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with EMI1 Monoclonal Antibody (EMI1/1176).



Formalin-fixed, paraffin-embedded human Ovarian carcinoma stained with EMI1 Monoclonal Antibody (EMI1/1176).