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

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

Description

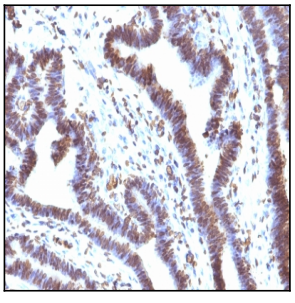
It recognizes a 56kDa protein, which is identified as Early Mitotic Inhibitor-1 (EMI1). It regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). Emi1 is a conserved F box protein containing a zinc-binding region essential for APC inhibition. The Emi1 protein functions to promote 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

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	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).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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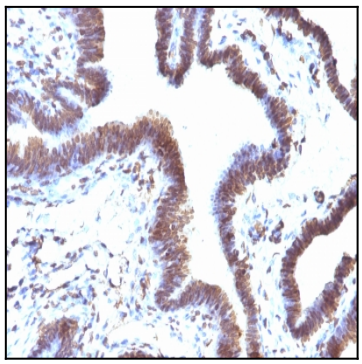

Formalin-fixed, paraffin-embedded human Ovarian carcinoma stained with EMI1 Monoclonal Antibody (EMI1/1176).

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