

Datasheet for ABIN3024715  
**anti-FBXO5 antibody (AA 1-250)**



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2 Images

## Overview

Quantity:	100 µg
Target:	FBXO5
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FBXO5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	A recombinant fragment (203 amino acid residues between aa 1-250) from the human protein was used as the immunogen for the EMI1 antibody.
Clone:	EMI1-1176
Isotype:	IgG2a kappa
Purification:	Protein G affinity chromatography

## Target Details

Target:	FBXO5
Alternative Name:	EMI1 ( <a href="#">FBXO5 Products</a> )

## Target Details

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**Background:** Early Mitotic Inhibitor-1 regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). It is a conserved F box protein containing a zinc-binding region essential for APC inhibition. The 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. 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.

**Pathways:** [Mitotic G1-G1/S Phases](#)

## Application Details

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**Application Notes:** Optimal dilution of the EMI1 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Western blot: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)

**Restrictions:** For Research Use only

## Handling

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**Concentration:** 0.2 mg/mL

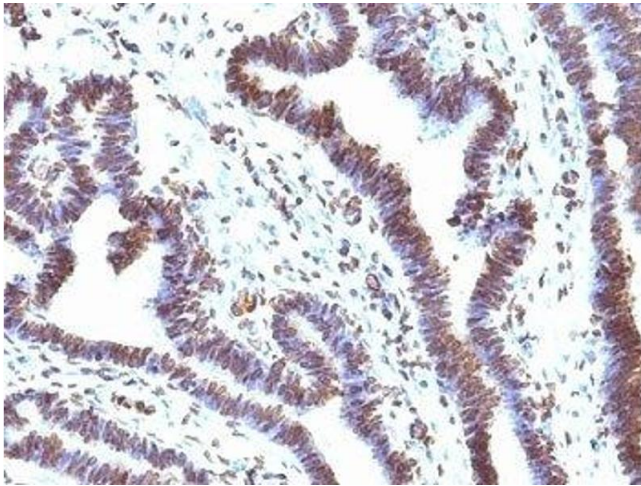
**Buffer:** 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

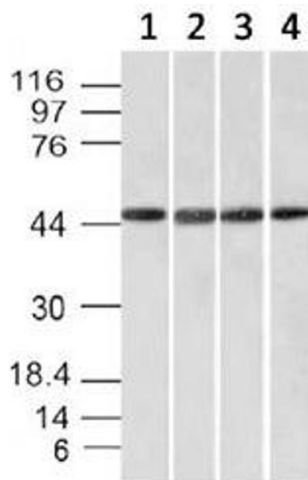
**Storage:** 4 °C,-20 °C

**Storage Comment:** Store the EMI1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with EMI1 antibody (EMI1/1176).



### Western Blotting

**Image 2.** Western blot testing of cell line lysates: 1) HeLa, 2) HepG2, 3) 293, 4) K562 with EMI1 antibody. Predicted molecular weight: 50/45 kDa (isoforms 1/2).