

Datasheet for ABIN3024714

**anti-FBXO5 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

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

## Product Details

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:    | A human partial recombinant N-terminal protein fragment was used as the immunogen for the EMI-1 antibody. |
| Clone:        | FBXP5                                                                                                     |
| Isotype:      | IgG2a kappa                                                                                               |
| Purification: | Protein G affinity chromatography                                                                         |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | FBXO5                                    |
| Alternative Name: | EMI-1 ( <a href="#">FBXO5 Products</a> ) |

## Target Details

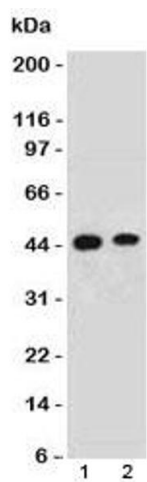
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, EMI-1 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 EMI-1 through RNA interference prevents accumulation of cyclin A and inhibits S phase entry. |
| Pathways:   | <a href="#">Mitotic G1-G1/S Phases</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Optimal dilution of the EMI-1 antibody should be determined by the researcher.</p> <p>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</p> <p>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.\. Western blot: 1-2 µg/mL,Immunofluorescence: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Handling

|                  |                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------|
| Concentration:   | 1 mg/mL                                                                                                 |
| Buffer:          | 1 mg/mL in 1X PBS, BSA free, sodium azide free                                                          |
| Preservative:    | Azide free                                                                                              |
| Storage:         | 4 °C,-20 °C                                                                                             |
| Storage Comment: | Store the EMI-1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide). |



Western Blotting

**Image 1.** Western blot testing of human 1) HeLa and 2) 293 lysate with EMI-1 antibody. Predicted molecular weight: 50/45 kDa (isoforms 1/2).