

## DESCRIPTION

|                                                                                                                                                                                                         |                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                                                   |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human RBX1 in Western blots.                                                                                    |
| <b>Source</b>                                                                                                                                                                                           | Monoclonal Mouse IgG <sub>2B</sub> Clone # 1076128                                                                      |
| <b>Purification</b>                                                                                                                                                                                     | Protein A or G purified from hybridoma culture supernatant                                                              |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus)-derived human CUL1/RBX1 Complex<br>Met1-His108<br>Accession # P62877 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                                         |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                            |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                                         |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunocytochemistry</b>  | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

RBX1 is a constitutively expressed RING-box protein that interacts with cullins. The human RBX1 gene consists of 5 exons and 4 introns and encodes 108 amino acids with a molecular weight of about 14kda. It is a major component of E3 ubiquitin ligase. A characteristic feature of RBX1 structure is that it contains a RING-H2 finger domain at the carboxyl terminus. RBX1 is overexpressed in many primary tumors and is associated with overall survival and lymph node metastasis. In humans, RBX1 has high expression in the heart, skeletal muscle, and testis with less expression in the brain, lung, kidney, and placenta.

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