

#### DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | Detects human and mouse ZBTB7A/Pokemon in Western blots.                                                                                                                                                                                                                    |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 466407                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human ZBTB7A/Pokemon<br>Met349-Val476<br>Accession # O95365                                                                                                                                                                             |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**Western Blot** 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

ZBTB7A (zinc finger and BTB domain-containing 7A), also known as Pokemon, FBI-1 in human, LRF in mouse, and OCZF in rat, is a widely expressed nuclear protein that is overexpressed in many human cancers. It is a transcriptional repressor of ARF, c-fos, c-myc, Rb and others, including many extracellular matrix genes. These targets play important roles, both in normal differentiation and oncogenesis. Human ZBTB7A/Pokemon is a 584 amino acid (aa) protein with a BTB-POZ domain (aa 24-131) and four zinc finger repeats (aa 382-484). Human ZBTB7A/Pokemon shares 98% aa identity with mouse and rat within aa 349-476.

#### PRODUCT SPECIFIC NOTICES

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