

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human/Mouse                                                                             |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human and mouse TRIM32 in Western blots.                                        |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Sheep IgG                                                                    |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                               |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant human TRIM32<br>Arg105-Lys204<br>Accession # Q13049 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 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

TRIM32 (Tripartite motif-containing protein 32; also 72 kDa TAT-interacting protein, and zinc finger protein HT2A) is a 72-82 kDa member of the TRIM/RBCC family of proteins. It is an E3 ligase that is found in structures termed nuclear and cytoplasmic bodies. Cells known to express TRIM32 are diverse and include fibroblasts, keratinocytes, skeletal muscle cells and neurons. TRIM32 ubiquitinates select proteins such as c-myc, Abi2, actin and dysbindin. Human TRIM32 is 653 amino acids (aa) in length. It contains one E3 ligase RING finger domain (aa 20-65), a B-Box type zinc-finger region (aa 103-133), a coiled-coil region (aa 138-197), five NHL repeats (aa 358-646) and three utilized phosphorylation sites (Ser328/335/339). TRIM32 has the potential to form homomultimers. Over aa 105-204, human TRIM32 exhibits 95% aa identity with mouse TRIM32.

#### PRODUCT SPECIFIC NOTICES

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