

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human/Mouse/Rat                                                                      |
| <b>Specificity</b>                                                                                                                                                                                      | Detects endogenous human, mouse, and rat CRADD in Western blots.                     |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Goat IgG                                                                  |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                            |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant mouse CRADD<br>Met1-Glu199<br>Accession # O88843 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

CRADD (Caspase and RIP adapter with death domain; also RAIDD) is a 22 kDa, widely-expressed cytosolic adaptor protein that participates in apoptosis. Mouse CRADD is 199 amino acids (aa) in length. It contains an N-terminal CARD region (aa 1-92) and a C-terminal DD/death domain (aa 116-188). The CARD interacts with caspase-2, while the DD recruits either PIDD or RIP. These interactions contribute to the activation of an apoptotic cascade. Mouse CRADD shows two potential additional isoforms. One shows an alternate start site at Met55, while a second shows a 70 aa substitution for aa's 101-199. Mouse CRADD shares 90% and 95% aa identity with human and rat CRADD, respectively.

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