

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat CRADD in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse CRADD Met1-Glu199 Accession # O88843
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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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