

CRADD Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18802C

Specification

CRADD Antibody (Center) - Product Information

Application WB,E **Primary Accession** P78560 Other Accession NP 003796.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 22745 Antigen Region 69-98

CRADD Antibody (Center) - Additional Information

Gene ID 8738

Other Names

Death domain-containing protein CRADD, Caspase and RIP adapter with death domain, RIP-associated protein with a death domain, CRADD, RAIDD

Target/Specificity

This CRADD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the Central region of human CRADD.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CRADD Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CRADD Antibody (Center) - Protein Information

Name CRADD



Synonyms RAIDD

Function Adapter protein that associates with PIDD1 and the caspase CASP2 to form the PIDDosome, a complex that activates CASP2 and triggers apoptosis (PubMed: 15073321, PubMed: 16652156, PubMed: 17159900, PubMed: 17289572, PubMed: 9044836). Also recruits CASP2 to the TNFR-1 signaling complex through its interaction with RIPK1 and TRADD and may play a role in the tumor necrosis factor-mediated signaling pathway (PubMed: 8985253).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:088843}. Nucleus {ECO:0000250|UniProtKB:088843}

Tissue Location

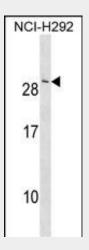
Constitutively expressed in most tissues, with particularly high expression in adult heart, testis, liver, skeletal muscle, fetal liver and kidney.

CRADD Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CRADD Antibody (Center) - Images



CRADD Antibody (Center)(Cat. #AP18802c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the CRADD antibody detected the CRADD protein (arrow).

CRADD Antibody (Center) - Background

The protein encoded by this gene is a death domain (CARD/DD)-containing protein and has been shown to induce cell apoptosis. Through its CARD domain, this protein interacts with, and thus recruits, caspase 2/ICH1 to the cell death signal transduction complex that includes tumor necrosis factor receptor 1





(TNFR1A), RIPK1/RIP kinase, and numbers of other CARD domain-containing proteins.

CRADD Antibody (Center) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Jang, T.H., et al. Biochim. Biophys. Acta 1804(7):1557-1563(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) : Heikaus, S., et al. Cell. Oncol. 32 (1-2), 29-42 (2010) :