

Goat anti-COP1 / PSEUDO-ICE (Isoform 2) Antibody

Item Number dAP-0053

Target Molecule Principle Name: COP1 / PSEUDO-ICE (Isoform 2); Official Symbol: CARD16; All Names and Symbols: CARD16; COP; CARD only protein; PSEUDO-ICE; COP1; caspase-1 dominant-negative inhibitor pseudo-ICE; pseudo interleukin-1beta converting enzyme; caspase recruitment domain family, member 16; Accession Number (s): NP_443121.1; Human Gene ID(s): 114769; Non-Human GenelD(s):

Immunogen ETLGLSAGPIPGN, is from C Terminus
This antibody is expected to recognize isoform 2 (NP_443121.1) only. In addition there may be cross-reaction with INCA (GeneID 440068; NP_001007233.1).

Applications Pep ELISA

Species Tested:

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA Peptide ELISA: antibody detection limit dilution 1 to 4000.

Western Blot Western Blot: Preliminary experiments gave an approx 28-30kDa band in human colon, pancreas, placenta and tonsil lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe

IHC

Reference Reference(s): Druilhe A, Srinivasula SM, Razmara M, Ahmad M, Alnemri ES. Regulation of IL-1beta generation by Pseudo-ICE and ICEBERG, two dominant negative caspase recruitment domain proteins. *Cell Death Differ.* 2001 Jun;8(6):649-57..PMID: 11536016->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**