

#13824 Store at -20C

CDIP Antibody

Cell Signaling
TECHNOLOGY®Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H	Endogenous	24,26	Rabbit	#Q9H305	29965

Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. *Do not aliquot the antibody.*

Specificity / Sensitivity

CDIP Antibody recognizes endogenous levels of total CDIP protein. This antibody may detect proteins of unknown origin at 35 and 70 kDa in some cell lines.

Species predicted to react based on 100% sequence homology:

Mouse, Rat

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human CDIP protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Cell Death Involved p53-Target (CDIP) is a pro-apoptotic protein induced by genotoxic stress in a p53-dependent manner (1). Indeed, CDIP is a direct target of p53. Inhibition of CDIP impairs p53-mediated apoptosis. Induction of apoptosis by CDIP requires caspase-8 suggesting involvement in the extrinsic apoptotic pathway. CDIP also promotes increased expression of TNF-α capable of triggering apoptosis. Furthermore, expression of CDIP correlates with increased sensitivity of TNF-α-induced apoptosis (2). These studies suggest that CDIP may serve as a marker for apoptotic sensitivity.

Background References

1. Brown, L. et al. (2007) *EMBO J* 26, 3410-22.
2. Brown-Endres, L. et al. (2012) *Cancer Res* 72, 2373-82.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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