

**CDIP Antibody**

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

<b>Applications:</b> W, IP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 24,26	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q9H305	<b>Entrez-Gene Id:</b> 29965
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**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**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human

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