

#13085 Store at -20°C

## Drosophila ICE (drICE) Antibody



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	Dm	Endogenous	38, 21	Rabbit	#O01382	43514

<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	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.	
<b>Specificity / Sensitivity</b>	Drosophila ICE (drICE) Antibody recognizes endogenous levels of total drICE protein, including both full-length and cleaved protein products.	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp230 of <i>Drosophila</i> ICE (drICE) protein. Antibodies are purified by protein A and peptide affinity chromatography.	
<b>Background</b>	Cell death in the fruit fly <i>Drosophila melanogaster</i> is regulated by many of the same stimuli as mammalian cell death (1). The <i>Drosophila</i> genome contains seven caspase genes; three encode initiator caspases and four encode effector caspases (reviewed in 2). drICE is a cysteine protease that cleaves baculovirus p35 and lamin DmO <i>in vitro</i> and acts downstream of rpr (3). drICE is proteolytically processed during apoptosis into active p21 and p12 subunits. Comparison of the <i>in vivo</i> activity between drICE and Dcp-1 has shown that drICE is a more effective inducer of apoptosis than Dcp-1, which plays a role in determining the rate of cell death (4).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Steller, H. et al. (1994) <i>Philos Trans R Soc Lond B Biol Sci</i> 345, 247-50.</li> <li>2. Hay, B.A. and Guo, M. (2006) <i>Annu Rev Cell Dev Biol</i> 22, 623-50.</li> <li>3. Fraser, A.G. and Evan, G.I. (1997) <i>EMBO J</i> 16, 2805-13.</li> <li>4. Florentin, A. and Arama, E. (2012) <i>J Cell Biol</i> 196, 513-27.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>WB:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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