

Caspase 2 (p13, Cleaved-Gly334) rabbit pAb

Catalog No :	YC0118
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	Caspase-2
Fields :	>>Apoptosis
Gene Name :	CASP2 ICH1 NEDD2
Protein Name :	Caspase2
Human Gene Id :	835
Human Swiss Prot No :	P42575
Mouse Gene Id :	12366
Mouse Swiss Prot No :	P29594
Rat Gene Id :	64314
Rat Swiss Prot No :	P55215
Immunogen :	Synthesized peptide derived from human Caspase 2 (p13, Cleaved-Gly334)
Specificity :	This antibody detects endogenous levels of Human Caspase 2 (p13, Cleaved-Gly334, protein was cleaved amino acid sequence between333-334)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	13 50kD
Background :	alternative products:Isoforms differ in the N- and C-termini,catalytic activity:Strict requirement for an Asp residue at P1, with 316-asp being essential for proteolytic activity and has a preferred cleavage sequence of Val-Asp-Val-Ala-Asp- -,function:Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival.,PTM:The mature protease can process its own propeptide, but not that of other caspases.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a p18 subunit and a p12 subunit. Interacts with LRDD.,tissue specificity:Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle.,
Function :	proteolysis, apoptosis, anti-apoptosis, induction of apoptosis, cell death, induction of apoptosis by extracellular signals, regulation of cell death, positive regulation of cell death, programmed cell death, induction of programmed cell death, death, protein processing, regulation of apoptosis, positive regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, negative regulation of programmed cell death, protein maturation, protein maturation by peptide bond cleavage, negative regulation of cell death,
Expression :	Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle.

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