

## Product overview

product name	Active Caspase-3 mouse Monoclonal Antibody(5E1)
catalog No.	ATA24309
Category	Primary antibodies
Host	Mouse
Species specificity	Human,Mouse,Rat,Chicken
Tested applications	IF, WB, IHC-p
Clonality	Monoclonal
Conjugation	Unconjugated
Immunogen	Recombinant Protein of Active Caspase-3

## Product performance

Form	Liquid
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	-20°C/1 year
Purity	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.

## Dilution range

IF: 1:50-200 WB: 1:500-1000 IHC: 1:100-200

## Product background

caspase 3(CASP3) Homo sapiens This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq, Jul 2008],

