

Product datasheet for **TA389068**

CASP3 Mouse Antibody [Clone ID: 31A1067]

Product data:

Product Type:	Primary Antibodies
Clone Name:	31A1067
Applications:	IHC, WB
Recommended Dilution:	WB: 1:250
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone 31A1067 was developed against full-length recombinant human Caspase-3. The antibody recognizes an epitope in the large domain subunit (p17) of Caspase-3, and it will recognize pro Caspase-3 and the p17 cleavage fragment.
Specificity:	The antibody detects pro Caspase-3 at 32 kDa* and the large subunit of the cleaved form of Caspase-3 at 14-21 kDa. The antibody can be used for western blot, immunohistochemistry and immuno-electron microscopy.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	32
Database Link:	P42574



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Background:

The caspases are a group of cysteine enzymes, which cleave proteins in response to intrinsic and extrinsic pathways that cause apoptotic cell death. The caspases can be grouped into two subgroups based on their roles in apoptosis. Initiator caspases (caspases 2, 8, 9, and 10) are activated through the apoptosis-signaling pathways and activate the effector caspases (caspases 3, 6, and 7) which carry out apoptosis. Caspase cascades are initiated through assembly of multiprotein complexes that trigger activation of the initiator caspases, which are then released and are able to activate the downstream effector caspases.

Note:

Protein G purified tissue culture supernatant.