

Anti-Caspase-3 (p17 subunit) Antibody



Product Details

Available Variants	100 µL (SKU:CM4911)
Conjugate	Unconjugated
Isotype	IgG1
Clone	31A1067
Gene Name	CASP3
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:250
Species Reactivity	Human, Mouse, Rat
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.
Molecular Weight	32
Quality Control	Western blots performed on each lot.

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.
UniProt ID	P42574
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images

Western blot analysis of Caspase-3 in multiple human tissues using CM4911 at 1:100. The tissues shown are A) brain, B) heart, C) intestine, D) kidney, E) liver, F) lung, G) muscle, H) stomach, I) spleen, J) ovary, and K) testis. Lanes 1, 2 and 3 demonstrate the species crossreactivity of the antibody in human, mouse and rat heart lysate, respectively.

Induction of apoptosis after combination treatment was marked by poly (ADP-ribose) polymerase (PARP) cleavage and caspase-3 (Cat. CM4911) activation. Western blots of single or combination treatment of LNCaP (48 h), DU145, PC-3 or CHO cells (all 72 h) with 1.0 μg/ml SO1861 and 2.5 nM EGF-PE24mutΔREDLK. β-actin was used as a loading control. *CHO cells are not of human origin - detection of human Caspase-3 was not possible in this cell line. Image from publication CC-BY-4.0. [PMID: 37859824](#)

