

Anti-active + pro Caspase 3 CASP3 Rabbit Monoclonal Antibody

Catalog Number: M00334-4

About CASP3

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

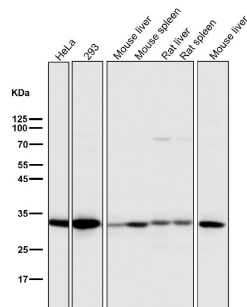
Product Name	Anti-active + pro Caspase 3 CASP3 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-active + pro Caspase 3 CASP3 Rabbit Monoclonal Antibody catalog # M00334-4. Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IHC, WB
Clonality	Monoclonal DGI-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42574

Technical Details

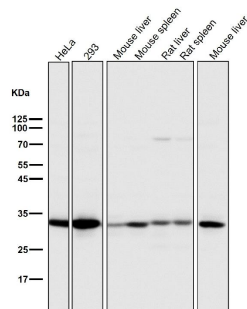
Immunogen	A synthesized peptide derived from human active + pro Caspase 3
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
--	--

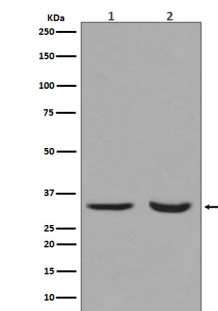
Anti-active + pro Caspase 3 CASP3 Rabbit Monoclonal Antibody (M00334-4) Images



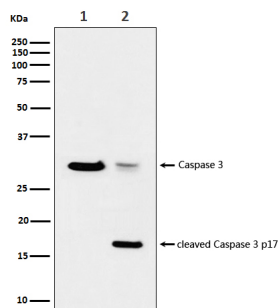
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

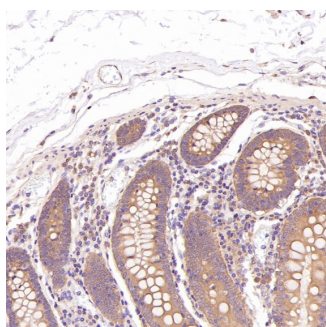
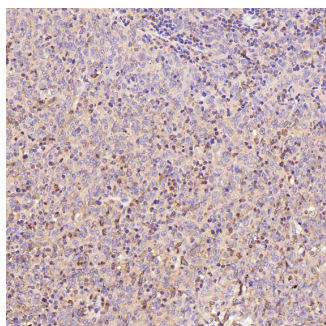


Western blot analysis of Calreticulin expression in (1) Jurkat cell lysate; (2) Jurkat whole cell lysates treated with staurosporine (1uM, 4 hours).

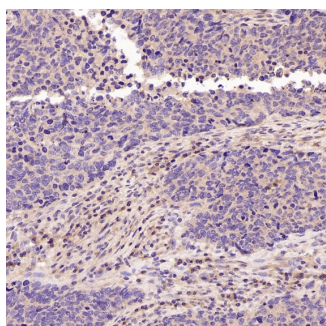


Western blot analysis of Caspase 3 expression in (1) Jurkat cell lysate; (2) Jurkat cells treated with 1uM staurosporine lysate.

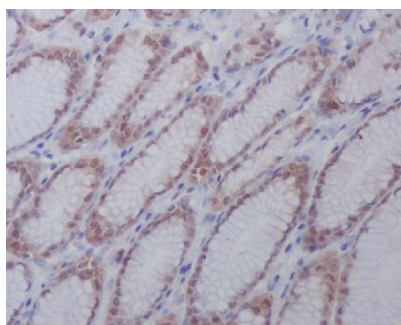
Immunohistochemical analysis of paraffin-embedded Human melanoma, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human colon, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human lung large cell cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human stomach, using active + pro Caspase 3 Antibody .

58 Publications Citing This Product

1. PubMed ID: -, Ahmed S. Ahmed, JAK-1/STAT-3 pathway mediated role in aging cerebellar cortex degenerative changes of albino wistar rats, Translational Research in Anatomy, 2020, 100089, ISSN 2214-854X, <https://doi.org/10.1016/j.tria.2020.100089>.
2. PubMed ID: -, Gang Li, Jing Zhou, Mengyu Sun, Juren Cen, Jing Xu, Role of luteolin extracted from Clerodendrum cyrtophyllum Turcz leaves in protecting HepG2 cells from TBHP-induced oxidative stress and its cytotoxicity, genotoxicity, Journal of Functional Foods, Volume 74, 2
3. PubMed ID: ,

Visit bosterbio.com/anti-active-pro-caspase-3-rabbit-monoclonal-antibody-m00334-4-boster.html to see all 58 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-active + pro Caspase 3 CASP3 Rabbit Monoclonal Antibody