

## [KO Validated] active + pro Caspase-3 Monoclonal Antibody

CAB19654

### Description

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This [KO Validated] active + pro Caspase-3 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB19654  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** CPP32, SCA-1, CPP32B, -3  
**Clone:** ARC0133  
**Applications:** WB ELISA  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse

### Antibody Data

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**Gene ID:** 836  
**Uniprot:** AB\_2862718  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 17kDa/32kDa  
**Calculated MW:** 32kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

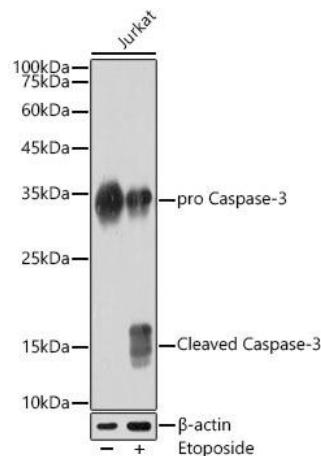
**Positive Sample:** 293T, Jurkat treated with Etoposide, L929 treated with staurosporine, NIH/3T3 treated with staurosporine

**Recommended Dilutions:**

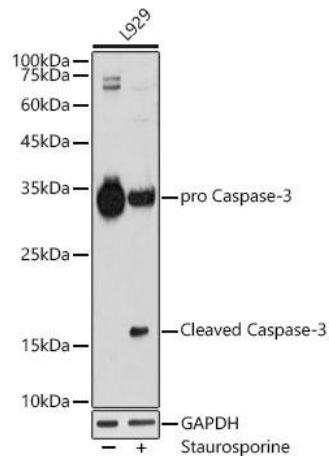
<b>WB</b>	1:1000 - 1:2000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

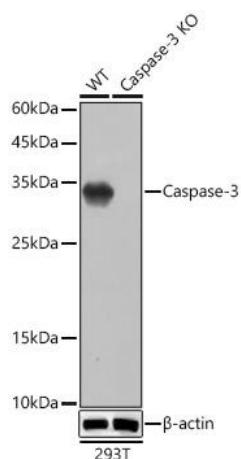
## Validation Data



Western blot analysis of lysates from Jurkat cells, using [KO Validated] Caspase-3 Rabbit mAb (CAB19654) at 1:1000 dilution. Jurkat cells were treated with Etoposide (25 µM) at 37°C for 5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Western blot analysis of lysates from cells using [KO Validated] Caspase-3 Rabbit mAb (CAB19654) at 1:1000 dilution. cells were treated with staurosporine(1 µM) for 3 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



Western blot analysis of lysates from wild type (WT) and Caspase-3 knockout (KO) 293T cells using [KO Validated] Caspase-3 Rabbit mAb (CAB19654) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.