

## [KD Validated] Anti-CASP3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

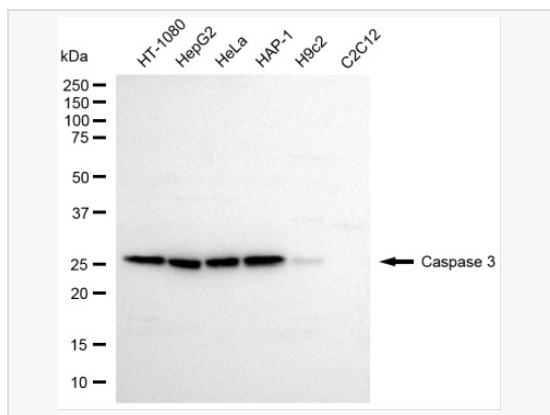
Catalog # P020553

### Product Information

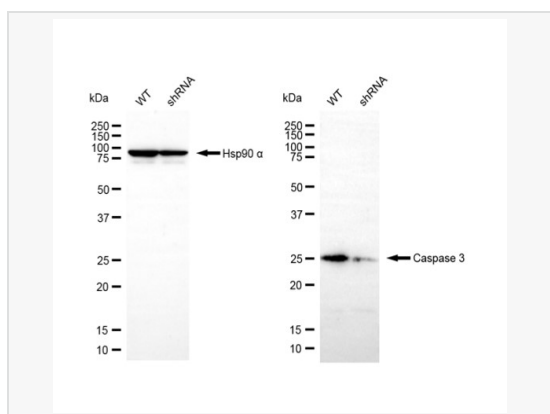
|             |   |
|-------------|---|
| Application | WB  |
| Reactivity  | Human, Rat  |
| Dilution    | WB 1:500~1:2,500  |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthesized peptide derived from human Caspase 3  |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | [KD Validated] Anti-CASP3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.      |

### Protein Information

|               |  |
|---------------|--|
| Synonyms      | CASP3; Caspase 3; Apopain; CPP32; CPP32B; Caspase 3, Apoptosis-Related Cysteine Peptidase; Caspase 3, Apoptosis-Related Cysteine Protease; SREBP Cleavage Activity 1; Cysteine Protease CPP32; Protein Yama; EC 3.4.22.56; Caspase-3; CASP-3; CPP-32; SCA-1; Yama; PARP Cleavage Protease; Procaspase3; EC 3.4.22. |
| Calculated MW | Calculated MW: 32 kDa; Observed MW: 26 kDa   |
| Uniprot ID    | P42574   |
| Gene ID       | 836  |
| Background    | 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 2 subunits, large and small, that dimerize to form the active enzyme.                        |



Western blotting analysis using caspase 3 antibody (P020553). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with caspase 3 antibody (P020553, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using caspase 3 antibody (P020553). Caspase 3 expression in wild-type (WT) and caspase 3 (CASP3) shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with caspase 3 antibody (P020553, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.