

# Product Datasheet

## Caspase-9 Antibody - BSA Free NBP1-76961

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-76961**

Caspase-9 Antibody - BSA Free

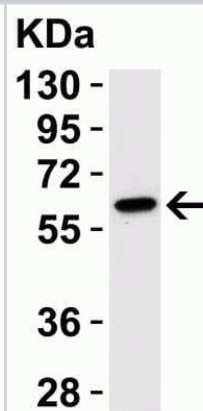
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 mg   |
| Concentration           | 1 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Polyclonal   |
| Preservative            | 0.02% Sodium Azide   |
| Isotype                 | IgG  |
| Purity                  | Peptide affinity purified  |
| Buffer                  | PBS  |
| Target Molecular Weight | 46 kDa   |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rabbit   |
| Gene ID                 | 842  |
| Gene Symbol             | CASP9  |
| Species                 | Human, Mouse   |
| Specificity/Sensitivity | Caspase-9 antibody is predicted to have no cross reactivity to other members in the caspase family. Human CASPASE 9 has 4 isoforms, including isoform 1 (416aa, 46kD), isoform 2 (266aa, 30kD), isoform 3 (154aa, 17kD), and isoform 4 (333aa, 37kD). Mouse CASPASE 9 has one isoform (454aa, 50kD) and Rat CASPASE 9 also has one isoform (454aa, 50kD). NBP1-76961 can detect human and mouse isoform. |
| Immunogen               | Antibody was raised against a peptide corresponding to 20 amino acids near the center of human Caspase 9. The immunogen is located within amino acids 290-340 of Caspase 9. Amino Acid Sequence: ASTSPEDESPGSNPEPDATP  |

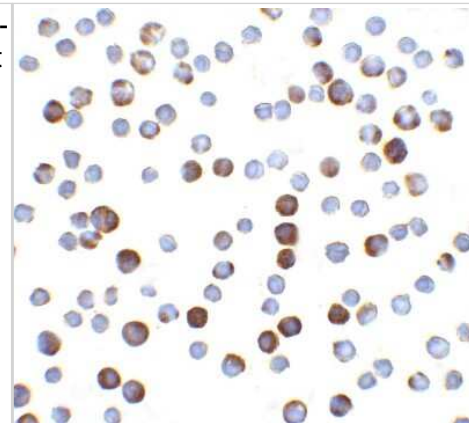
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunocytochemistry, Immunofluorescence   |
| Recommended Dilutions       | Western Blot 1 ug/mL, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 2-20 ug/mL, Immunoprecipitation, Immunofluorescence 5-20 ug/mL, Immunocytochemistry 2- 5 ug/mL |

**Images**

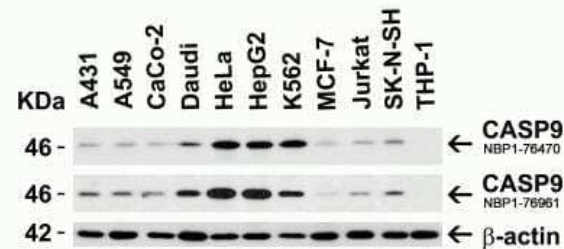
Western Blot: Caspase-9 Antibody [NBP1-76961] - Western Blot Validation in Mouse Cell Line. Loading: 15 ug of 3T3/NIH cell lysate. Antibodies: : Caspase 9, NBP1-76961 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



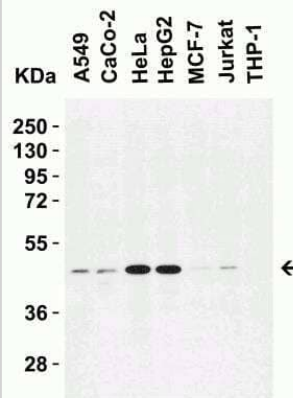
Immunocytochemistry/Immunofluorescence: Caspase-9 Antibody [NBP1-76961] - Staining of Caspase-9 in HeLa cells with Caspase-9 antibody at 5 ug/ml.



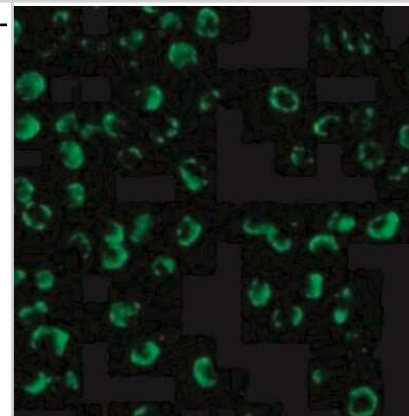
Western Blot: Caspase-9 Antibody [NBP1-76961] - Independent Antibody Validation (IAV) via Protein Expression Profile in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: Caspase 9, NBP1-76470 (1 ug/mL), Caspase 9, NBP1-76961 (1 ug/mL) and beta-actin (1.5 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



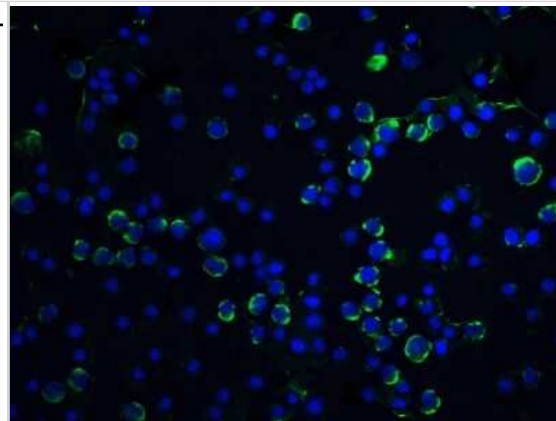
Western Blot: Caspase-9 Antibody [NBP1-76961] - Western Blot Validation in Human Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: : Caspase 9, NBP1-76961 (1 ug/mL)), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/Immunofluorescence: Caspase-9 Antibody [NBP1-76961] - Immunofluorescence of Caspase-9 in K562 cells with Caspase-9 antibody at 20 ug/mL.



Immunocytochemistry/Immunofluorescence: Caspase-9 Antibody [NBP1-76961] - Staining of Caspase-9 in HeLa cells with Caspase-9 antibody at 5 ug/ml.



## Publications

Marwarha G, Rosand o, Scrimgeour N et al. miR-210 Regulates Apoptotic Cell Death during Cellular Hypoxia and Reoxygenation in a Diametrically Opposite Manner *Biomedicines* 2021-12-25 [PMID: 35052722] (ELISA)



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### **Products Related to NBP1-76961**

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|               |  |
|---------------|--|
| NBP3-11853    | Jurkat Staurosporine Treated / Untreated Cell Lysate |
| NBP1-76961PEP | Caspase-9 Antibody Blocking Peptide                  |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]        |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]  |
| NBP2-24891    | Rabbit IgG Isotype Control                           |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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