

Datasheet for ABIN7600823
anti-Caspase 7 antibody (AA 24-303)



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Overview

Quantity:	100 µg
Target:	Caspase 7 (CASP7)
Binding Specificity:	AA 24-303
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Caspase-7/CASP7 Antibody Picoband®
Immunogen:	E.coli-derived human Caspase-7/CASP7 recombinant protein (Position: A24-Q303).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Caspase-7/CASP7 Antibody Picoband® (ABIN7600823). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Caspase 7 (CASP7)
Alternative Name:	CASP7 (CASP7 Products)
Background:	Synonyms: Atrial natriuretic peptide receptor 1, Atrial natriuretic peptide receptor type A, ANP-A, ANPR-A, NPR-A, Guanylate cyclase A, GC-A, NPR1, ANPRA Tissue Specificity: Detected in gallbladder bile. Detected in fibroblasts, kidney, liver, spleen, small intestine, placenta and testis (at protein level). Epididymis. Background: CASP7, Caspase-7, apoptosis-related cysteine peptidase, is a human protein encoded by the CASP7 gene. CASP7 orthologs have been identified in nearly all mammals for which complete genome data are available. CASP7 is a member of the caspase (cysteine aspartate protease) family of proteins, and has been shown to be an executioner protein of apoptosis. Using radiation hybrid mapping, the CASP7 gene was localized to human chromosome 10q25.1-q25.2. The orderly activation of CASP7 regulates microglia activation through a protein kinase C-delta (PRKCD)-dependent pathway.
Molecular Weight:	35 kDa
Gene ID:	840
UniProt:	P55210
Pathways:	Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Burguillos, M. A., Deierborg, T., Kavanagh, E., Persson, A., Hajji, N., Garcia-Quintanilla, A., Cano, J., Brundin, P., Englund, E., Venero, J. L., Joseph, B. Caspase signalling controls microglia activation and neurotoxicity. <i>Nature</i> 472: 319-324, 2011. 2. Soung, Y. H., Lee, J. W., Kim, H. S., Park, W. S., Kim, S. Y., Lee, J. H., Park, J. Y., Cho, Y. G., Kim, C. J., Park, Y. G., Nam, S. W., Jeong, S. W., Kim, S. H., Lee, J. Y., Yoo, N. J., Lee, S. H. Inactivating mutations of CASPASE-7 gene in human cancers. <i>Oncogene</i> 22: 8048-8052, 2003. 3. Tiso, N., Pallavicini, A., Muraro, T., Zimbello, R., Apolloni, E., Valle, G., Lanfranchi, G., Danieli, G. A. Chromosomal localization of the human genes, CPP32, Mch2, Mch3, and Ich-1, involved in cellular apoptosis. <i>Biochem. Biophys. Res. Commun.</i> 225: 983-989, 1996.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.