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IL-1 beta.Source / PurificationPolyclonal antibodies are produced by immunizing animals with a synthetic peptide correspondent the amino-terminal sequence of the 17 kDa mature form of human IL-1 beta. Antibodies are protein A and peptide affinity chromatography.BackgroundInterleukin-1β (IL-1β), one of the major caspase-1 targets, is a multifunctional cytokine that is in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that le activation of numerous downstream targets (2-6). Human IL-1β is synthesized as a 31 kDa pregain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield mature form (7,8). Detection of the 17 kDa mature form of IL-1β is a good indicator of caspase activity.Background References1. Dinarello, C.A. (1998) Int Rev Immunol 16, 457-99.2. Burns, K. et al. (1998) Jbiol Chem 273, 12203-9.3. Cao, Z. et al. (1996) Nature 383, 443-6.4. Cao, Z. et al. (1996) Nature 383, 443-6.4. Cao, Z. et al. (1997) Immunity 7, 837-47.5. Ninomiya-Tsuji, J. et al. (1992) Science 256, 97-100.9. Grahames, C.B. et al. (1999) Br J Pharmacol 127, 1915-21.Species ReactivitySpecies reactivity is determined by testing in at least one approved application (e.g., western 1)	Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 17, 31	Source/Isotype: Rabbit	UniProt ID: #P01584	Entrez-Gene Id: 3553		
20°C. Do not aliquot the antibody. Specificity/Sensitivity L1 beta Antibody detects endogenous levels of both the 31 kDa precursor and 17 kDa matur LL1 beta. Source / Purification Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponte the aminot-terminal sequence of the 17 kDa mature form of human IL-1 beta. Antibodies are protein A and peptide affinity chromatography. Background Interleukin-1β (L1-1β), one of the major caspase-1 targets, is a multifunctional cytokine that is in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that le activation of numerous downstream targets (2-6). Human IL-1β is synthesized as a 31 kDa pre gain activity, the precursor must be cleaved by caspase-1 between spl16 and Ala117 to yield mature form (7,8). Detection of the 17 kDa mature form of IL-1β is a good indicator of caspase activity. Background References 1. Dinarello, C.A. (1998) <i>Int Rev Immunol</i> 16, 457-99. 2. Burns, K. et al. (1998) <i>Soli Chem</i> 273, 12203-9. 3. Cao, Z. et al. (1996) <i>Nature</i> 336, 768-74. 3. Cwech, H. et al. (1992) <i>Science</i> 271, 1128-31. Sweech, H. et al. (1999) <i>Br J Pharmacol</i> 127, 1915-21. Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western ID MPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v TBS, 0.1% Tween@ 20 at 4*C with gentle shaking, overnight. Applications Key W: Western Blotting Cross-Rea		9							
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 the amino-terminal sequence of the 17 kDa mature form of human IL-1 beta. Antibodies are protein A and peptide affinity chromatography. Background Interleukin-18 [UL-18], one of the major caspase-1 targets, is a multifunctional cytokine that is in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that te activation of numerous downstream targets (2-6). Human IL-18 is synthesized as a 31 kDa pregain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield mature form (7.8). Detection of the 17 kDa mature form of IL-19 is a good indicator of caspase activity. Background References Dinarello, C.A. (1998) <i>Int Rev Immunol</i> 16, 457-99. Burns, K. et al. (1996) <i>Science</i> 271, 1128-31. Wesche, H. et al. (1997) <i>Immunity</i> 7, 837-47. Ninomiya-Tsuji, J. et al. (1999) <i>Nature</i> 383, 43-6. Cao, Z. et al. (1996) <i>Science</i> 256, 97-100. Grahames, C.B. et al. (1992) <i>Nature</i> 382, 52-6. Thornberry, N.A. et al. (1992) <i>Nature</i> 382, 52-6. Thornberry, N.A. et al. (1999) <i>IP pharmacol</i> 127, 1915-21. Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western I Bot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. Applications Key W: Western Blotting Cross-Reactivity Key H: Human Trademarks and Patents Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/tradema more information. Limited Uses Except as otherwise expressly agreed in a writing signed by a legally authorized repre	Specificity/Ser	nsitivity	IL-1 beta Antibody detects endogenous levels of both the 31 kDa precursor and 17 kDa mature form of IL-1 beta.						
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TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. Applications Key W: Western Blotting Cross-Reactivity Key H: Human Trademarks and Patents Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/tradema more information. Limited Uses Except as otherwise expressly agreed in a writing signed by a legally authorized representative the following terms apply to Products provided by CST, its affiliates or its distributors. Any Cus terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and a force or effect. Products are labeled with For Research Use Only or a similar labeling statement and have not	Species Reacti	ivity	Species reactivity is de	etermined by testir	ig in at least one approve	ed application (e.g.,	western blot).		
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