

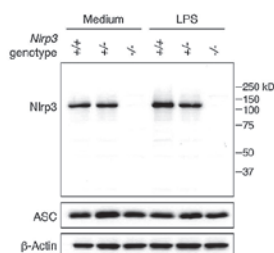
# Key Inflammasome Research Tools

## THE STANDARDS

### Unique NLRP3 Antibody

**anti-NLRP3/NALP3, mAb (Cryo-2)**

ICC, IHC, IP, WB AG-20B-0014-C100



**FIGURE:** Mouse NLRP3 is detected in mouse macrophages using the monoclonal antibody to NLRP3 (Cryo-2) (Prod. No. AG-20B-0014).

#### PROTOCOLS FOR CASPER-1, CASPER-2, BALLY-1 AND CRYO-2:

Measuring the inflammasome: O. Gross; Methods Mol. Biol. 844, 199 (2012) • Measuring NLR Oligomerization I: Size Exclusion Chromatography, Co-immunoprecipitation, and Cross-Linking: S. Khare, et al.; Methods Mol. Biol. 1417, 131 (2016)

### Detect Activated p10 & p20 Caspase-1 by WB

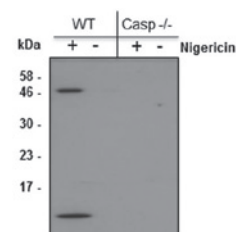
**anti-Caspase-1 (p10) (mouse), mAb (Casper-2)** AG-20B-0044

**anti-Caspase-1 (p20) (mouse), mAb (Casper-1)** AG-20B-0042

**anti-Caspase-1 (p20) (human), mAb (Bally-1)** AG-20B-0048

**FIGURE:** Mouse caspase-1 (p10) is detected by immunoblotting using anti-Caspase-1 (p10) (mouse), mAb (Casper-2) (Prod. No. AG-20B-0044).

**METHOD:** Caspase-1 was analyzed by Western blot in supernatants of differentiated bone marrow-derived dendritic cells (BMDCs) from wild-type and caspase-1<sup>-/-</sup> mice activated or not by 5μM nigericin (Prod. No. AG-CN2-0020) for 30 min. Supernatants (30μl) were separated by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with anti-Caspase-1 (p10) (mouse), mAb (Casper-2) (1μg/ml). Proteins were visualized by a chemiluminescence detection system.



### Key Antibodies

<b>anti-Asc [Pycard], pAb (AL177)</b>   ICC, IHC, IP, WB, FUNC	AG-25B-0006
<b>anti-AIM2 (human), mAb (3B10)</b>   ICC, WB	AG-20B-0040
<b>anti-Caspase-4/11 (p20), mAb (Flamy-1)</b>   IP, WB	AG-20B-0060
<b>anti-Caspase-11 (p20) (mouse), mAb (Flamy-2)</b>   ELISA, WB	AG-20B-0061
<b>anti-RIG-I, mAb (Alme-1)</b>   IHC, IP, WB	AG-20B-0009
<b>Anti-ZBP1, mAb (Zippy-1)</b>   ICC, IP, WB	AG-20B-0010

## THE SOURCE

### Small Molecule NLRP3 Inflammasome Activators & Inhibitors

#### Activators

<b>Monosodium urate (Activity tested)</b>	
- Crystals	AG-CR1-3950
- Ready-to-Use	AG-CR1-3951
<b>NEW N-Acetyl-D-glucosamine</b>	AG-CN2-0489
<b>Nigericin . Na</b>	AG-CN2-0020

#### Inhibitors

<b>Arglabin</b>	AG-CN2-0458
<b>BAY 11-7082</b>	AG-CR1-0013
<b>Glyburide (USP)</b>	AG-CR1-3613
<b>(R)-3-Hydroxybutyric acid</b>	AG-CR1-3616
<b>Isoliquiritigenin</b>	AG-CN2-0459

<b>NEW K777</b>	AG-CR1-0158
<b>NEW MCC950 . Na</b>	AG-CR1-3615
<b>Parthenolide</b>	AG-CN2-0455
<b>NEW Prostaglandin E2</b>	AG-CL1-0001
<b>Vinpocetine</b>	AG-CN2-0454
<b>NEW Withaferin A</b>	AG-CN2-0490