Product Information

Product Name:	anti-NLRP3 /NALP3, mAb (Cryo-2)
Catalog Number:	AG-20B-0014

NLRP3/NALP3 Detection by Western Blotting:

1. Priming (key step for NLRP3/NALP3 detection by Western blotting):

Human: THP1 cells are cultured in RPMI 1640 media, supplemented with 10% FBS. Cells are treated for 3h with phorbol-12-myristate-13-acetate (PMA) (100nM) (#AG-CN2-0010) or lipopolysaccharide (LPS) (50ng/ml) (#AG-CU1-0001).

Murine: Bone marrow-derived dendritic cells (BMDCs) or bone marrow-derived macrophages (BMDMs) are cultured in RPMI 1640 media, supplemented with 10% FBS. Cells are treated for 3h with lipopolysaccharide (LPS) (50ng/ml) (#AG-CU1-0001).

During this step, NLRP3/NALP3 expression is increased.

2. Inflammasome activation (optional for NLRP3/NALP3 detection):

Human PMA or LPS-differentiated THP1 cells
Murine LPS-primed BMDCs or BMDMs

are plated in 12-well plates and treated for 6h with monosodium urate (MSU) (150µg/ml) (#AG-CR1-3951) or for 30min with Nigericin (5µM) (#AG-CN2-0020).

3. Western blotting:

Cell extracts from activated cells are processed for immunoblotting, separated on a 7.5 % SDS-PAGE gel and electrotransferred to nitrocellulose or PVDF membrane.

- Human/mouse NLRP3 is detected by NLRP3 /NALP3, mAb (Cryo-2) (1µg/ml) (#AG-20B-0014)

- Mouse NLRP3 is detected by NLRP3 /NALP3 (mouse), mAb (Cryo-1) (1µg/ml) (#AG-20B-0006)

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