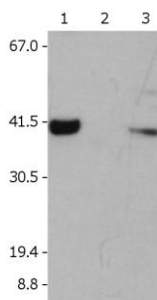


Anti-AIM2 Purified

Catalog Number: 14-6008

Also known as: Antigen isolated from Immunoselected Melanoma 2, AIM-2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Cell lysates prepared from Jurkat cells (lane 1) and mouse macrophages left untreated (lane 2) or treated for 12 hr with IFN gamma and LPS (lane 3) were immunoblotted with a 1:1000 dilution of the Anti-AIM2 polyclonal antibody. Bands were visualized using Anti-Rabbit IgG HRP.

Product Information

Contents: Anti-AIM2 Purified
Catalog Number: 14-6008
Clone: Polyclonal
Host/Isotype: Rabbit polyclonal



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to vial
Use By: Refer to vial

Description

This polyclonal antibody reacts with human, mouse, and rat AIM2 (also known as Antigen isolated from Immunoselected Melanoma 2). A member of the HIN-2000 family, this 40-kDa cytoplasmic protein is expressed in the spleen, small intestine, peripheral blood lymphocytes, and testis. Moreover, AIM2 is expressed in tumors of the neuroectodermis, breast, ovary, and colon. As a component of the inflammasome, AIM2 detects double-stranded viral and bacterial DNA present in the cytosol and initiates Caspase1 activation. Expression of AIM2 can be induced by interferons.

Applications Reported

This polyclonal antibody has been reported for use in immunoblotting (WB).

Applications Tested

This polyclonal antibody has been tested by immunoblotting of Jurkat cells and mouse macrophages treated for 12 hrs with IFN γ and LPS. This can be used at less than or equal to a 1:1000 dilution. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Rathinam VA, Jiang Z, Waggoner SN, Sharma S, Cole LE, Waggoner L, Vanaja SK, Monks BG, Ganesan S, Latz E, Hornung V, Vogel SN, Szomolanyi-Tsuda E, Fitzgerald KA. The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. *Nat Immunol*. 2010 May;11(5):395-402.

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AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. Nature 2009 458: 514–518.