

Datasheet for ABIN1169341
anti-AIM2 antibody (AA 1-186)



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3 Publications

Overview

Quantity:	100 µg
Target:	AIM2
Binding Specificity:	AA 1-186
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Human AIM2 (aa 1-186).
Clone:	3B10
Isotype:	IgG1
Specificity:	Recognizes human AIM2.
Cross-Reactivity:	Human
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	AIM2
Alternative Name:	AIM2 (AIM2 Products)

Target Details

Background: AIM2 is a strong candidate as a tumor suppressor as it is a member of the HIN-200 (hemopoietic interferon-inducible, nuclear proteins containing a 200 amino acid repeat) family of proteins that have been shown to regulate cell growth and survival. The HIN-200 family of proteins consists of four members in human, IFI 16, MND4, AIM2 and IFIX1. Recently it has been reported that AIM2 is a receptor for cytosolic dsDNA, which forms a novel inflammasome complex with ASC to activate caspase-1-mediated processing of IL-1beta.

UniProt: [O14862](#)

Pathways: [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Inflammasome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Hornung, Ablasser, Charrel-Dennis, Bauernfeind, Horvath, Caffrey, Latz, Fitzgerald: "AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC." in: **Nature**, Vol. 458, Issue 7237, pp. 514-8, (2009) ([PubMed](#)).

Fernandes-Alnemri, Yu, Datta, Wu, Alnemri: "AIM2 activates the inflammasome and cell death in response to cytoplasmic DNA." in: **Nature**, Vol. 458, Issue 7237, pp. 509-13, (2009) ([PubMed](#)).

Cresswell, Clarke, Jackson, Darcy, Trapani, Johnstone: "Biochemical and growth regulatory activities of the HIN-200 family member and putative tumor suppressor protein, AIM2." in: **Biochemical and biophysical research communications**, Vol. 326, Issue 2, pp. 417-24, (2004) ([PubMed](#)).