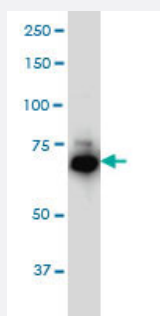


IRAK1 monoclonal antibody (M02), clone 3A9

Catalog # H00003654-M02

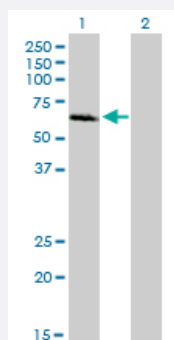
Size 100 ug

Applications



Western Blot (Cell lysate)

IRAK1 monoclonal antibody (M02), clone 3A9 Western Blot analysis of IRAK1 expression in A-431 (Cat # L015V1).

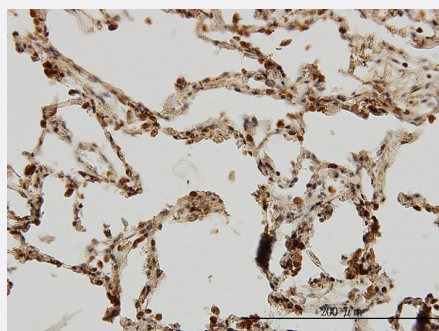


Western Blot (Transfected lysate)

Western Blot analysis of IRAK1 expression in transfected 293T cell line by IRAK1 monoclonal antibody (M02), clone 3A9.

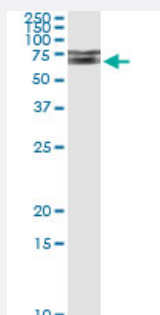
Lane 1: IRAK1 transfected lysate(68 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IRAK1 on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]

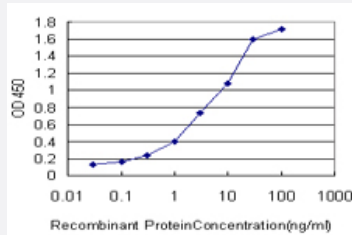


Immunoprecipitation

Immunoprecipitation of IRAK1 transfected lysate using anti-IRAK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with IRAK1 MaxPab rabbit polyclonal antibody.

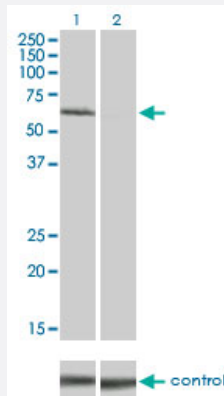
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IRAK1 is approximately 0.03ng/ml as a capture antibody.



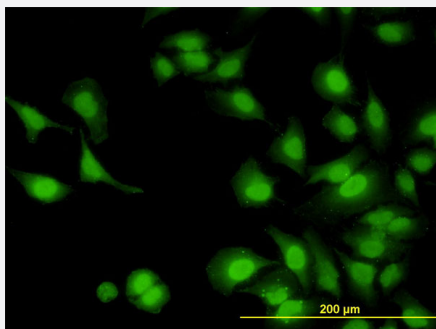
RNAi Knockdown (Antibody validated)

Western blot analysis of IRAK1 over-expressed 293 cell line, cotransfected with IRAK1 Validated Chimera RNAi (Cat # H00003654-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with IRAK1 monoclonal antibody (M02) clone 3A9 (Cat # H00003654-M02). GAPDH (36.1 kDa) used as specificity and loading control.

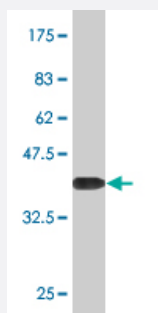


Immunofluorescence

Immunofluorescence of monoclonal antibody to IRAK1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (43.45 KDa) .



Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant IRAK1.

Immunogen

IRAK1 (AAH54000, 530 a.a. ~ 693 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	SSTGRAHSGAAPWQPLAAPSGASQAAEQLRGPNQPVESDESLGGLSAAALRSWHLTPSCPL DPAPLREAGCPQGDTAGESSWGSGPGSRPTAVEGLALGSSASSSSEPPQIIINPARQKMVQKLA LYEDGALDSLQLLSSSSLPGLGLEQDRQGPEESDEFQS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.45 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

IRAK1 monoclonal antibody (M02), clone 3A9 Western Blot analysis of IRAK1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of IRAK1 expression in transfected 293T cell line by IRAK1 monoclonal antibody (M02), clone 3A9.

Lane 1: IRAK1 transfected lysate(68 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IRAK1 on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of IRAK1 transfected lysate using anti-IRAK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with IRAK1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to IRAK1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — IRAK1

Entrez GeneID [3654](#)

GeneBank Accession# [BC054000](#)

Protein Accession# [AAH54000](#)

Gene Name IRAK1

Gene Alias IRAK, pelle

Gene Description interleukin-1 receptor-associated kinase 1

Omim ID [300283](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
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- [Lupus Erythematosus](#)

- [Prostate cancer](#)
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