

IRAK1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant IRAK1.

Catalog # AT2539a

Specification

IRAK1 Antibody (monoclonal) (M02) - Product Information

Application	IF, IP, WB, IHC, E
Primary Accession	P51617
Other Accession	BC054000
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	76537

IRAK1 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 3654**Other Names**

Interleukin-1 receptor-associated kinase 1, IRAK-1, IRAK1, IRAK

Target/Specificity

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

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

IRAK1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

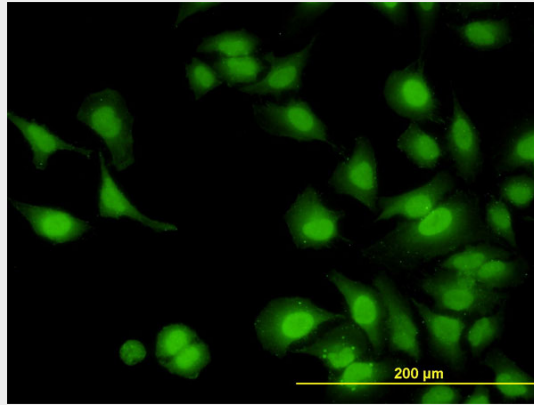
IRAK1 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

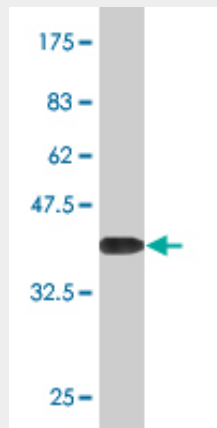
IRAK1 Antibody (monoclonal) (M02) - Images



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

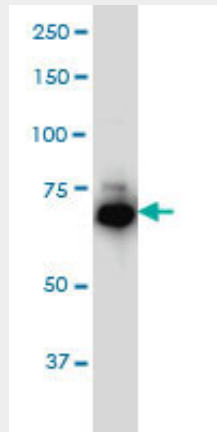


Immunoprecipitation of IRAK1 transfected lysate using anti-IRAK1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with IRAK1 MaxPab rabbit polyclonal antibody.

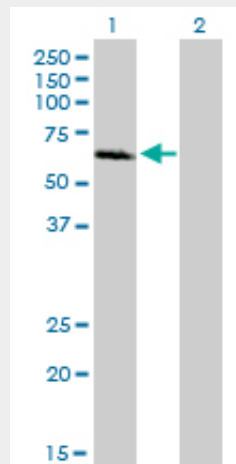


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen

(43.45 KDa) .

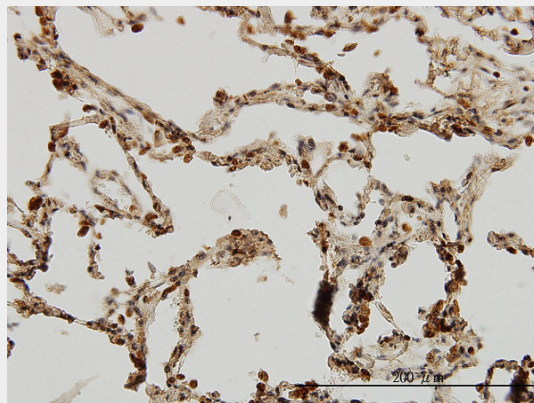


IRAK1 monoclonal antibody (M02), clone 3A9 Western Blot analysis of IRAK1 expression in A-431 (Cat # AT2539a)

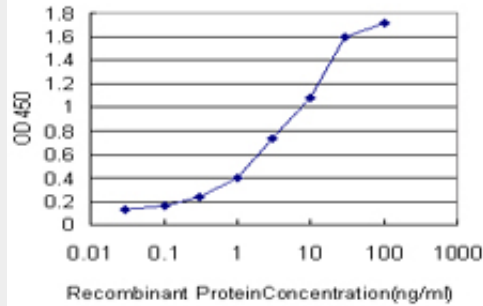


Western Blot analysis of IRAK1 expression in transfected 293T cell line by IRAK1 monoclonal antibody (M02), clone 3A9.

Lane 1: IRAK1 transfected lysate(68 KDa).
Lane 2: Non-transfected lysate.



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



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

IRAK1 Antibody (monoclonal) (M02) - Background

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.

IRAK1 Antibody (monoclonal) (M02) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. *Diabetes Care*, 2010 Jul 13. PMID 20628086. Molecular mechanism underlying the inflammatory complication of leptin in macrophages. Vaughan T, et al. *Mol Immunol*, 2010 Sep. PMID 20619458. The role of microRNA-146a (miR-146a) and its target IL-1R-associated kinase (IRAK1) in psoriatic arthritis susceptibility. Chatzikyriakidou A, et al. *Scand J Immunol*, 2010 May. PMID 20500689. Role of polymorphic variants as genetic modulators of infection in neonatal sepsis. Abu-Maziad A, et al. *Pediatr Res*, 2010 Oct. PMID 20463618. Association between anti-tumour necrosis factor treatment response and genetic variants within the TLR and NF{kappa}B signalling pathways. Potter C, et al. *Ann Rheum Dis*, 2010 Jul. PMID 20448286.