

## Anti-IRAK IRAK1 Monoclonal Antibody [8F1A7]

Catalog Number: M01021-1

### About IRAK1

Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFalpha and LPS. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently. IRAK is associated with the IL-1 receptor subunits IL-1RI and IL-1RAcP after IL-1 binding and serves as a signaling molecule to mediate IL-1 response. IRAK mediates a signaling cascade leading to NF-kappaB activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF).

### Overview

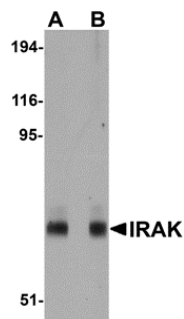
Product Name	Anti-IRAK IRAK1 Monoclonal Antibody [8F1A7]
Reactive Species	Human, Mouse
Description	Boster Bio Anti-IRAK IRAK1 Monoclonal Antibody [8F1A7] (Catalog # M01021-1). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC-P, WB
Clonality	Monoclonal Clone: 8F1A7
Formulation	IRAK Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IRAK monoclonal antibody can be stored at -20°C, stable for one year.
Host	Mouse
Uniprot ID	P51617

### Technical Details

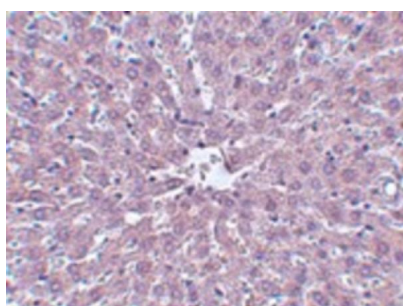
Immunogen	Recombinant protein corresponding to amino acids 618 - 712 of human IRAK.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG1
Form	Liquid
Concentration	1 mg/mL
Purification	IRAK Monoclonal Antibody is Protein G purified.
Suggested Dilutions	IRAK antibody can be used for Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL.

Antibody validated: Western Blot in mouse samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-IRAK IRAK1 Monoclonal Antibody [8F1A7] (M01021-1) Images



Western blot analysis of IRAK in mouse liver lysate with IRAK antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of IRAK in rat liver tissue with IRAK antibody at 5 ug/mL.

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