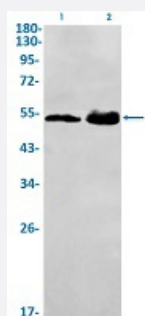


RecomAb™

IRAK4 recombinant monoclonal antibody, clone R01-1B2

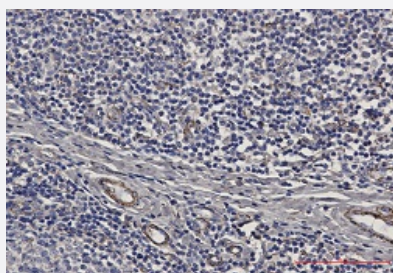
Catalog # RAB02163 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: Jurkat and Lane 2: Hela lysates with IRAK4 recombinant monoclonal antibody, clone R01-1B2 (Cat # RAB02163).



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

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with IRAK4 recombinant monoclonal antibody, clone R01-1B2 (Cat # RAB02163). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against mouse IRAK4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human IRAK4.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Jurkat and Lane 2: Hela lysates with IRAK4 recombinant monoclonal antibody, clone R01-1B2 (Cat # RAB02163).

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

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with IRAK4 recombinant monoclonal antibody, clone R01-1B2 (Cat # RAB02163). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunofluorescence

Gene Info — IRAK4

Entrez GeneID	51135
Protein Accession#	Q9NWZ3
Gene Name	IRAK4
Gene Alias	IPD1, NY-REN-64, REN64
Gene Description	interleukin-1 receptor-associated kinase 4
Omim ID	606883 607676 610799
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [supplied by RefSeq]

Other Designations

IRAK-4 mutated form 1|interleukin-1 receptor associated kinase 4

Pathway

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

Disease

- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)

- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)