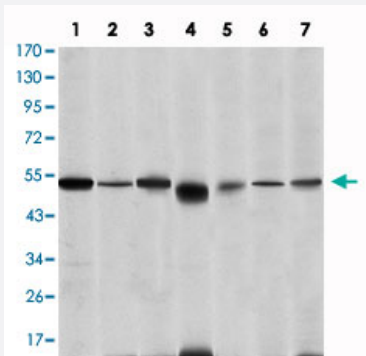


IRAK4 monoclonal antibody, clone 2H9

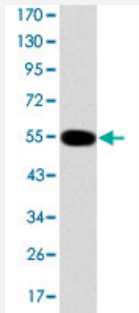
Catalog # MAB10701 Size 100 uL

Applications



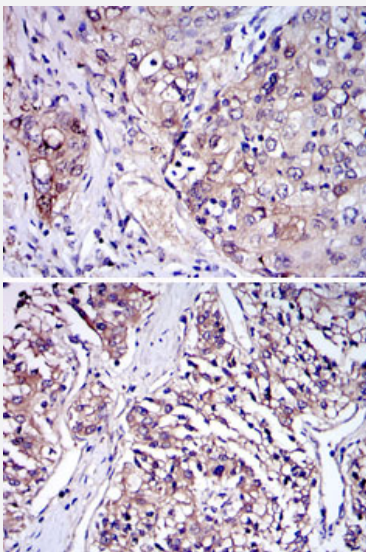
Western Blot (Cell lysate)

Western blot analysis using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) against THP-1 (1), HeLa (2), K-562 (3), MCF-7 (4), RAW264.7 (5), Jurkat (6) and COS-7 (7) cell lysate.



Western Blot (Recombinant protein)

Western blot analysis using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) against recombinant protein.

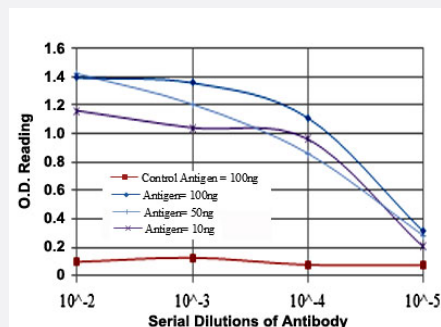


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and human kidney cancer tissues using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) with DAB staining.

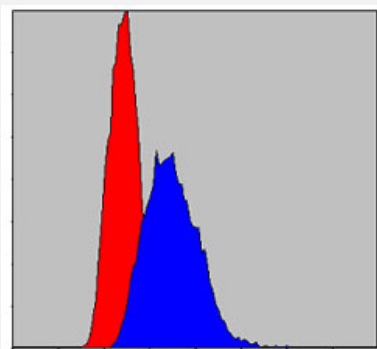
Enzyme-linked Immunoabsorbent Assay

ELISA measurement of IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) .



Flow Cytometry

Flow cytometric analysis of HeLa cells using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) (blue) and negative control (red).



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant IRAK4.
Immunogen	Recombinant protein corresponding to human IRAK4.
Host	Mouse
Theoretical MW (kDa)	52
Reactivity	Human, Monkey, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 (Cell lysate)

Western blot analysis using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) against THP-1 (1) , HeLa (2) , K-562 (3) , MCF-7 (4) , RAW264.7 (5) , Jurkat (6) and COS-7 (7) cell lysate.

- Western Blot (Recombinant protein)

Western blot analysis using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) against recombinant protein.

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

Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and human kidney cancer tissues using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) .

- Flow Cytometry

Flow cytometric analysis of HeLa cells using IRAK4 monoclonal antibody, clone 2H9 (Cat # MAB10701) (blue) and negative control (red).

Gene Info — IRAK4

Entrez GeneID [51135](#)

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](#)