

Product datasheet for **AM06659SU-N**

IRAK4 Mouse Monoclonal Antibody [Clone ID: 2H9]

Product data:

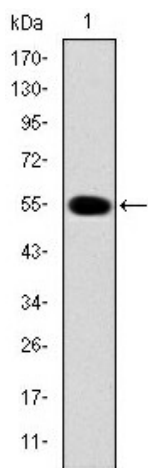
Product Type:	Primary Antibodies
Clone Name:	2H9
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human IRAK4 expressed in E. Coli.
Specificity:	This antibody reacts to IRAK4.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52 kDa
Gene Name:	interleukin 1 receptor associated kinase 4
Database Link:	Entrez Gene 51135 Human Q9NWZ3
Background:	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.



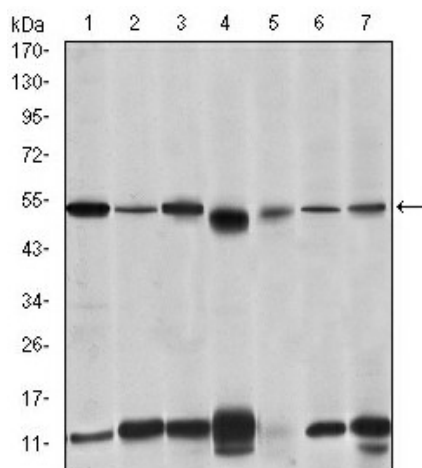
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Synonyms: IRAK-4, NY-REN-64

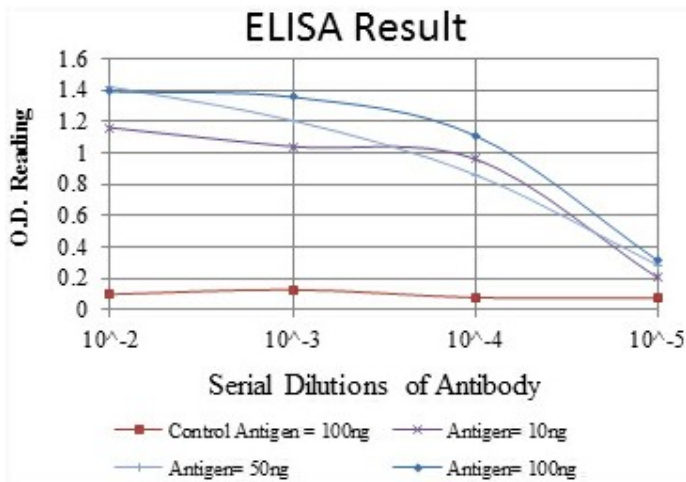
Product images:



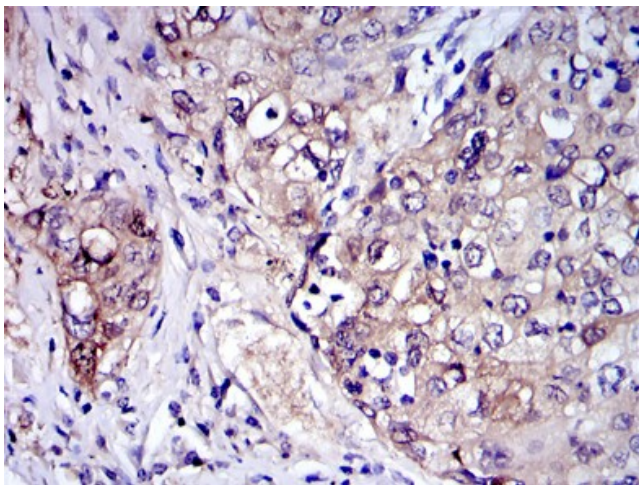
Western blot analysis using IRAK4 mAb against human IRAK4 (AA: 21-198) recombinant protein. (Expected MW is 45.4 kDa)



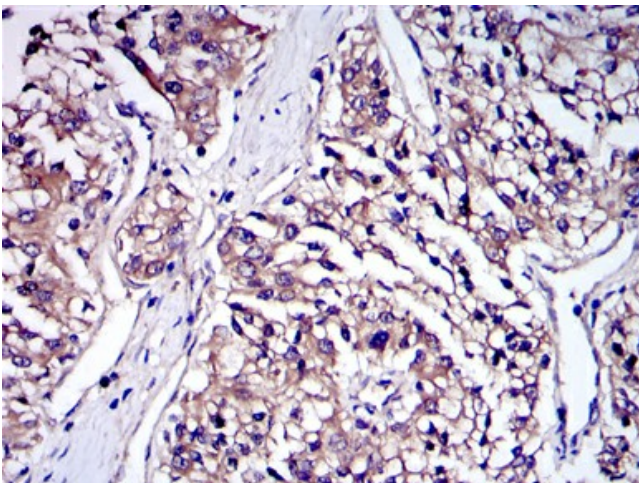
Western blot analysis using IRAK4 mouse mAb against THP-1 (1), Hela (2), K562 (3), MCF-7 (4), RAW264.7 (5), Jurkat (6) and Cos7 (7) cell lysate.



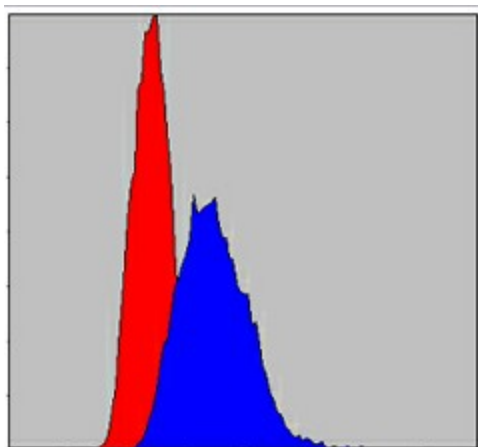
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using IRAK4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human kidney cancer tissues using IRAK4 mouse mAb with DAB staining.



Flow cytometric analysis of Hela cells using IRAK4 mouse mAb (blue) and negative control (red).