

Datasheet

IRAK4 (phospho T345) monoclonal antibody, clone A8A8

Catalog Number: MAB2538

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic phosphopeptide of IRAK4.

Clone Name: A8A8

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding T345 of human IRAK4.

Sequence: VMTSR

Host: Mouse

Reactivity: Bovine,Dog,Human,Mouse

Applications: Dot-Pep, ELISA, IHC, IP, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody recognizes IRAK4 (phospho T345) with a phosphorylated site at Threonine 345. It does not cross-react with non-phosphospecific peptide.

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: Western Blot (0.1-1 ug/mL)

ELISA (0.01-0.1 ug/mL)

Immunoprecipitation (2-5 ug/mL)

Immunohistochemistry (2-5 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction: Store at -20°C to -80°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 51135

Gene Symbol: IRAK4

Gene Alias: IPD1, NY-REN-64, REN64

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]

References:

1. TLR signalling affects sperm mitochondrial function and motility via phosphatidylinositol 3-kinase and glycogen synthase kinase-3?. Zhu X, Shi D, Li X, Gong W, Wu F, Xuejiang G, Xiao H, Liu L, Zhou H. Cellular Signalling. 2015 Dec 4.
2. Augmentation of therapeutic responses in melanoma by inhibition of IRAK-1,-4. Srivastava R, Geng D, Liu Y, Zheng L, Li Z, Joseph MA, McKenna C, Bansal N, Ochoa AC, Davila E. Cancer Res. 2012 Oct 4. [Epub ahead of print]
3. An unconventional role for miRNA: let-7 activates Toll-like receptor 7 and causes neurodegeneration. Lehmann SM, Kruger C, Park B, Derkow K, Rosenberger K, Baumgart J, Trimbuch T, Eom G, Hinz M, Kaul D, Habbel P, Kalin R, Franzoni E, Rybak A, Nguyen D, Veh R, Ninnemann O, Peters O, Nitsch R, Heppner FL, Golenbock D, Schott E, Ploegh HL, Wolczyn FG, Lehnardt S. Nat Neurosci. 2012 May 20. doi: 10.1038/nn.3113.