

KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1959**Specification****KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q9Y616
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 68 kDa , observed, 68 kDa KDa
Gene Name	IRAK3
Aliases	Interleukin 1 Receptor Associated Kinase 3; Interleukin-1 Receptor-Associated Kinase 3; IRAK-M Inactive IL-1 Receptor-Associated Kinase 3; IL-1 Receptor-Associated Kinase M; IRAK-3; ASRT5; IRAKM
Immunogen	A synthesized peptide derived from human IRAK3

KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody - Additional InformationGene ID **11213****Other Names**

Interleukin-1 receptor-associated kinase 3, IRAK-3, IL-1 receptor-associated kinase M, IRAK-M, Inactive IL-1 receptor-associated kinase 3, IRAK3 {ECO:0000312|EMBL:AAH57800.1}

KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody - Protein Information**Name** IRAK3 {ECO:0000312|EMBL:AAH57800.1}**Function**

Putative inactive protein kinase which regulates signaling downstream of immune receptors including IL1R and Toll-like receptors (PubMed:10383454, PubMed:29686383). Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex (By similarity). Upon IL33-induced lung inflammation, positively regulates expression of IL6, CSF3, CXCL2 and CCL5 mRNAs in dendritic cells (PubMed:29686383).

Cellular Location

Cytoplasm. Nucleus. Note=In dendritic cells, translocates into the nucleus upon IL33 stimulation. {ECO:0000250|UniProtKB:Q8K4B2}

Tissue Location

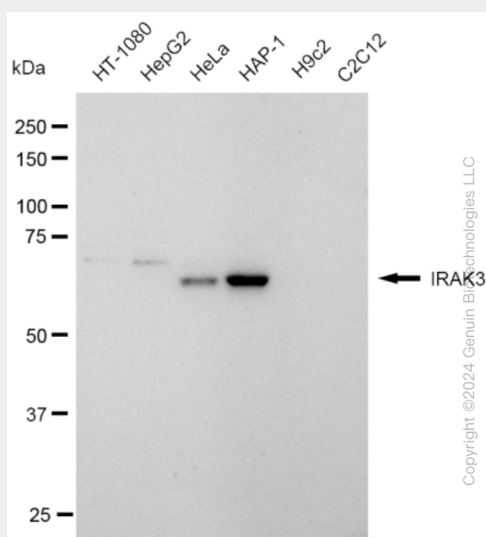
Expressed in eosinophils, dendritic cells and/or monocytes (at protein level) (PubMed:29686383).
Expressed predominantly in peripheral blood lymphocytes (PubMed:10383454)

KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody - Protocols

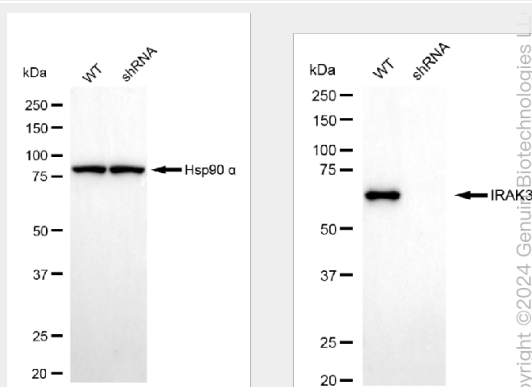
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

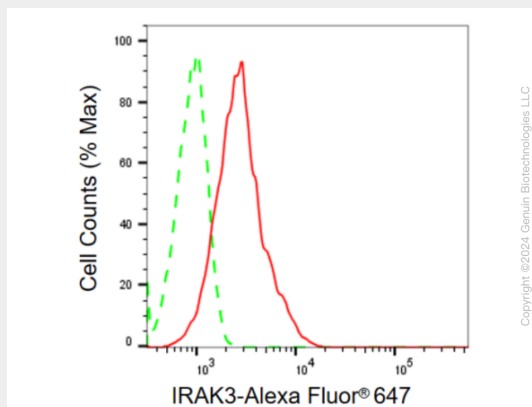
KD-Validated Anti-IRAK3 Rabbit Monoclonal Antibody - Images



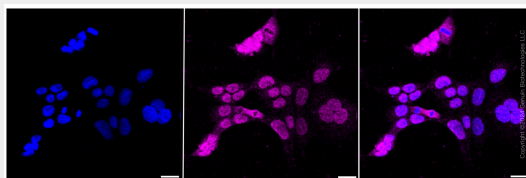
Western blotting analysis using anti-IRAK3 antibody (Cat#63613). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-IRAK3 antibody (Cat#63613, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-IRAK3 antibody (Cat#63613). IRAK3 expression in wild type (WT) and IRAK3 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-IRAK3 antibody (Cat#63613, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Flow cytometric analysis of IRAK3 in HAP-1 cells using IRAK3 antibody (Cat#63613, 1:2,000). Green, isotype control; red, IRAK3.



Immunocytochemical staining of HAP-1 cells with IRAK3 antibody (Cat#63613, 1:1,000). Nuclei were stained blue with DAPI; IRAK3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.