

[KD Validated] Anti-IRAK3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

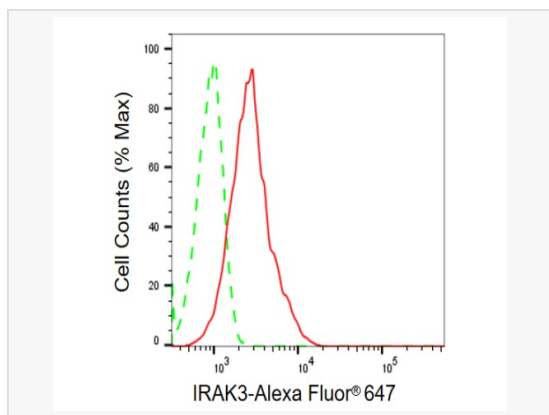
Catalog # R020713

Product Information

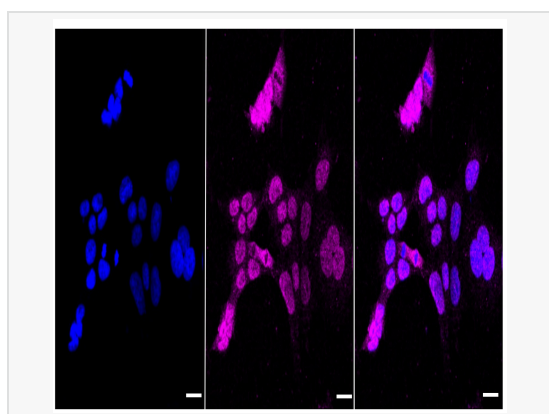
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	96O74D51
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IRAK3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-IRAK3 Rabbit mAb [96O74D51] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

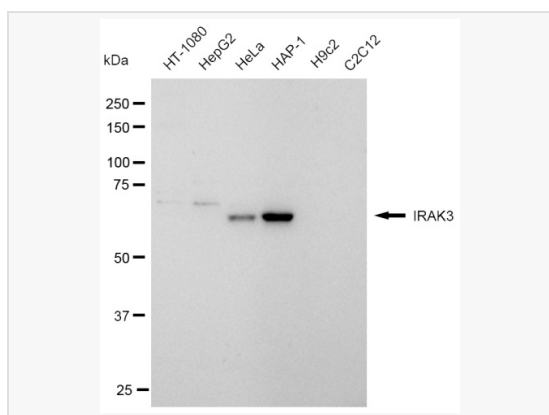
Synonyms	Interleukin 1 Receptor Associated Kinase 3; Interleukin-1 Receptor-Associated Kinase 3; IRAK-M; Inactive IL-1 Receptor-Associated Kinase 3; IL-1 Receptor-Associated Kinase M; IRAK-3; ASRT5; IRAKM.
Calculated MW	Calculated MW: 68 kDa, Observed MW: 68 kDa
Uniprot ID	Q9Y616
Gene ID	11213
Background	This gene encodes a member of the interleukin-1 receptor-associated kinase protein family. Members of this family are essential components of the Toll/IL-R immune signal transduction pathways. This protein is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling. Mutations in this gene are associated with a susceptibility to asthma. Alternate splicing results in multiple transcript variants.



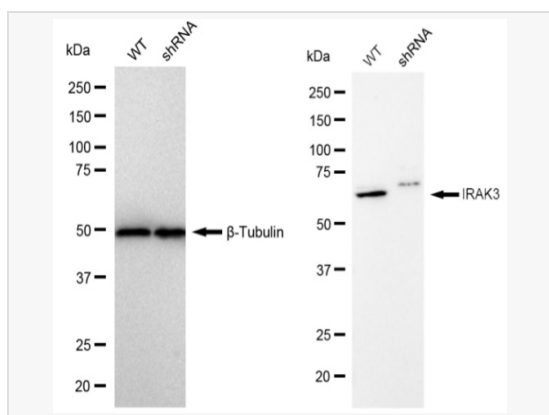
Flow cytometric analysis of IRAK3 in expression HAP-1 cells using IRAK3 antibody (R020713, 1:2,000). Green, isotype control; red, IRAK3.



Immunocytochemical staining of HAP-1 cells with IRAK3 antibody (R020713, 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.



Western blotting analysis using IRAK3 antibody (R020713). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IRAK3 antibody (R020713, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:50,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using IRAK3 antibody (R020713). 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 IRAK3 antibody (R020713, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:50,000) respectively. Image was developed using ECL Substrate Kit.