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Datasheet for ABIN6142514
anti-IRAK1 antibody (AA 424-633)

4 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | IRAK1 |
| Binding Specificity: | AA 424-633 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IRAK1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 424-633 of human IRAK1 (NP_001020414.1). |
| Sequence: | VKTHGARTKY LVYERLEKLQ AVVAGVPGHS EAASCIPPSP QENSYVSSTG RAHSGAAPWQ PLAAPSGASA QAAEQLQRGP NQPVEDESL GGLSAALRSW HLTPSCPLDP APLREAGCPQ GDTAGESSWG SGPGRPTAV EGLALGSSAS SSSEPPQIII NPARQKMVQK LALYEDGALD SLQLLSSSSL PGLGLEQDRQ GPEESDEFQS |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

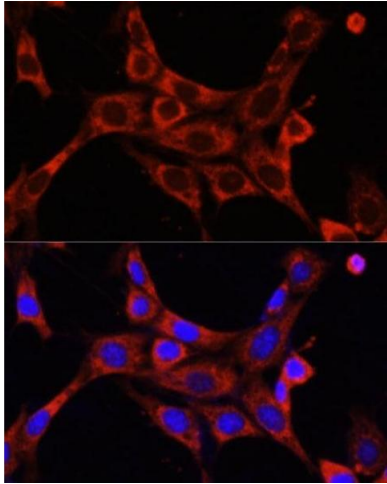
| | |
|-------------------|--|
| Target: | IRAK1 |
| Alternative Name: | IRAK1 (IRAK1 Products) |
| Background: | This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,IRAK1,IRAK,pelle,Signal Transduction,Kinase,Serine/threonine kinases,Immunology & Inflammation,Cytokines,Interleukins,NF-kB Signaling Pathway,Toll-like Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,TLR Signaling,Cardiovascular,IRAK1 |
| Molecular Weight: | 68 kDa/73 kDa/74 kDa/76 kDa |
| Gene ID: | 3654 |
| UniProt: | P51617 |
| Pathways: | NF-kappaB Signaling , TLR Signaling , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades |

Application Details

| | |
|--------------------|------------------------------------|
| Application Notes: | WB,1:1000 - 1:3000,IF,1:50 - 1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

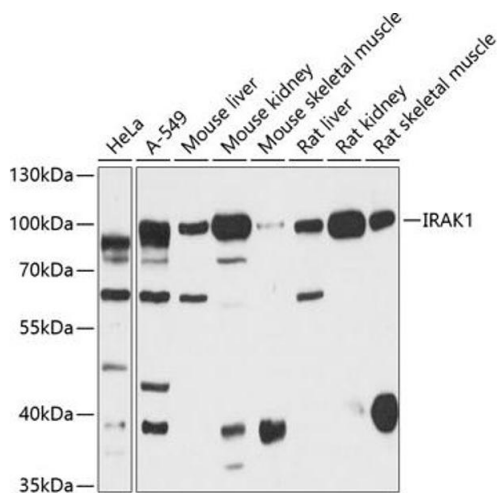
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



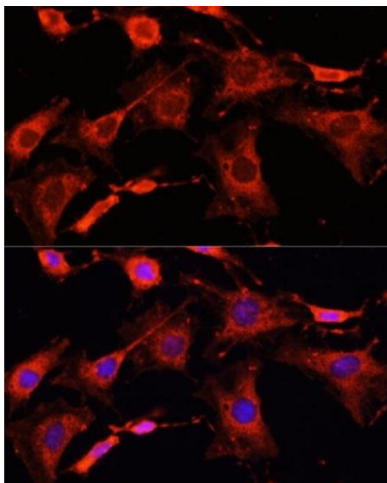
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using IR antibody (ABIN6130497, ABIN6142514, ABIN6142515 and ABIN6216327) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using IR antibody (ABIN6130497, ABIN6142514, ABIN6142515 and ABIN6216327) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using IR antibody (ABIN6130497, ABIN6142514, ABIN6142515 and ABIN6216327) at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6142514.