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Datasheet for ABIN392233 anti-IRAK1 antibody (C-Term)

5 Images



Overview

| Quantity: | 400 µL |
|----------------------|--|
| Target: | IRAK1 |
| Binding Specificity: | AA 683-712, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IRAK1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| Immunogen: | This IRAK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 683-712 amino acids from the C-terminal region of human IRAK. |
|---------------|--|
| Clone: | RB02337 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

| Target: | IRAK1 |
|-------------------|-----------------------|
| Alternative Name: | IRAK (IRAK1 Products) |

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Target Details

| Background: | Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, |
|---------------------|---|
| | generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this |
| | basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, |
| | regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement |
| | and cell movement, apoptosis, and differentiation. With more than 500 gene products, the |
| | protein kinase family is one of the largest families of proteins in eukaryotes. The family has |
| | been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or |
| | serine/threonine (STK) kinase catalytic domains. The tyrosine-like kinase (TLK) group consists |
| | of 40 tyrosine and serine-threonine kinases such as MLK (mixed-lineage kinase), LISK |
| | (LIMK/TESK), IRAK (interleukin-1 receptor-associated kinase), Raf, RIPK (receptor-interacting |
| | protein kinase), and STRK (activin and TGF-beta receptors) families. |
| Molecular Weight: | 76537 |
| Gene ID: | 3654 |
| NCBI Accession: | NP_001020413, NP_001020414, NP_001560 |
| 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 Notos: | |

| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100. IHC-P: 1:10~50 |
|--------------------|--|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| 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: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small |

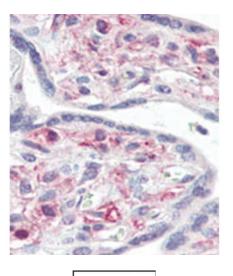
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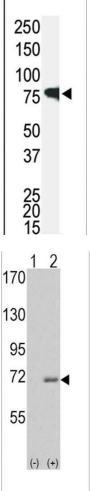
aliquots to prevent freeze-thaw cycles.

Expiry Date:

6 months

Images





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human Placenta tissue reacted with IRAK Antibody (C-term) (ABIN392233 and ABIN2841927), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of anti-IRAK1 Pab (ABIN392233 and ABIN2841927) in Jurkat cell lysate. IRAK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Western Blotting

Image 3. Western blot analysis of IRAK1 (arrow) using rabbit polyclonal IRAK Antibody (C-term) . 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the IRAK1 gene (Lane 2) (Origene Technologies).

Please check the product details page for more images. Overall 5 images are available for ABIN392233.

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