Datasheet for ABIN6746072

# anti-KCNA5 antibody (AA 72-121)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | KCNA5 |
| Binding Specificity: | AA 72-121 |
| Reactivity: | Human, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KCNA5 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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|---|---|
| Immunogen: | Synthetic peptide located between aa72-121 of human KCNA5 (P22460, NP_002225). Percent identity by BLAST analysis: Human, Gorilla, Monkey (100%), Mouse, Rat, Hamster (92%).<br><br>Type of Immunogen: Synthetic peptide |
| Specificity: | Human KCNA5 / Kv1.5 |
| Predicted Reactivity: | Percent identity by BLAST analysis: Human (100%) Mouse, Rat (92%). |
| Purification: | Immunoaffinity purified |

## Target Details

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|---|---|
| Target: | KCNA5 |
| Alternative Name: | KCNA5 / Kv1.5 (KCNA5 Products) |

## Target Details

| | |
|---|---|
| Background: | Name/Gene ID: KCNA5<br>Subfamily: Potassium channel - Kv1 Shaker<br>Family: Ion Channel<br><br>Synonyms: KCNA5, Cardiac potassium channel, HCK1, HPCN1, HuK6, HuKVI, RMK2, PCN1, RK3, ATFB7, KV1.5, Potassium channel 1 |
| Gene ID: | 3741 |
| NCBI Accession: | NP_002225 |
| UniProt: | P22460 |

## Application Details

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|---|---|
| Application Notes: | Approved: WB (1 µg/mL)<br><br>Usage: Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,000 as secondary antibody. |
| Comment: | Target Species of Antibody: Human |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Lyophilized |
| Reconstitution: | Distilled water |
| Concentration: | Lot specific |
| Buffer: | Lyophilized from PBS with 2 % sucrose |
| Handling Advice: | Avoid repeat freeze-thaw cycles. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)<br>Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles. |

## Publications

| | |
|---|---|
| Product cited in: | Shahan, Sorenson, Simpson, Kefalides, Lewis: "Tyrosine kinase activation in response to fungal |

## Publications

spores is primarily dependent on endogenous reactive oxygen production in macrophages." in: **The Journal of biological chemistry**, Vol. 275, Issue 14, pp. 10175-81, (2000) (PubMed).

Yang, Malek, Desiderio: "An SH3-binding site conserved in Bruton's tyrosine kinase and related tyrosine kinases mediates specific protein interactions in vitro and in vivo." in: **The Journal of biological chemistry**, Vol. 270, Issue 35, pp. 20832-40, (1995) (PubMed).

Aoki, Isselbacher, Pillai: "Bruton tyrosine kinase is tyrosine phosphorylated and activated in pre-B lymphocytes and receptor-ligated B cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 91, Issue 22, pp. 10606-9, (1994) (PubMed).

Vetrie, Vorechovský, Sideras, Holland, Davies, Flinter, Hammarström, Kinnon, Levinsky, Bobrow: "The gene involved in X-linked agammaglobulinaemia is a member of the src family of protein-tyrosine kinases." in: **Nature**, Vol. 361, Issue 6409, pp. 226-33, (1993) (PubMed).

## Images

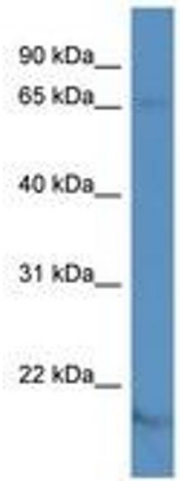


**Image 1.**