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# DOCK2 Rabbit mAb

Catalog # AP75368

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q92608 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 211948 |

## Additional Information

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|---|---|
| **Gene ID** | 1794 |
| **Other Names** | DOCK2 |
| **Dilution** | WB~~1:1000-1:5000 |
| **Format** | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

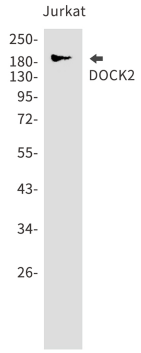
| | |
|---|---|
| **Name** | DOCK2 |
| **Synonyms** | KIAA0209 |
| **Function** | Guanine nucleotide exchange factor (GEF) that activates monomeric GTPases by catalysing the release of bound GDP in exchange for free GTP (PubMed:32651375). Activates RAC1 and RAC2, but not CDC42 (PubMed:21613211, PubMed:32651375). Involved in cytoskeletal rearrangements required for lymphocyte migration in response of chemokines (PubMed:21613211). May also participate in IL2 transcriptional activation via the activation of RAC2 (PubMed:21613211). |
| **Cellular Location** | Endomembrane system; Peripheral membrane protein. Cytoplasm, cytoskeleton. Note=Colocalizes with F-actin |
| **Tissue Location** | Specifically expressed in hematopoietic cells. Highly expressed in peripheral blood leukocytes, and expressed at intermediate level in thymus and spleen. |

Expressed at very low level in the small intestine and colon.

## Background

Involved in cytoskeletal rearrangements required for lymphocyte migration in response of chemokines. Activates RAC1 and RAC2, but not CDC42, by functioning as a guanine nucleotide exchange factor (GEF), which exchanges bound GDP for free GTP.

## Images




Western blot analysis of DOCK2 in Jurkat lysates using DOCK2 antibody.

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