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# DOCK2 Antibody

Rabbit mAb
Catalog # AP92518

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q92608 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | DOCK 2; IMD40; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 211948 |

## Additional Information

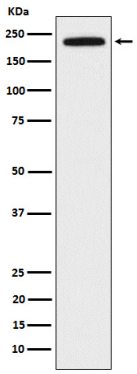
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|---|---|
| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human DOCK2 |
| **Description** | Involved in cytoskeletal rearrangements required for lymphocyte 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. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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| **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.

## Images




Western blot analysis of DOCK2 expression in Jurkat cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.