10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-DOCK2 Antibody

Rabbit polyclonal antibody to DOCK2
Catalog # AP61210

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q92608 |
| **Other Accession** | Q8C3J5 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 211948 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 1794 |
| **Other Names** | KIAA0209; Dedicator of cytokinesis protein 2 |
| **Target/Specificity** | Recognizes endogenous levels of DOCK2 protein. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

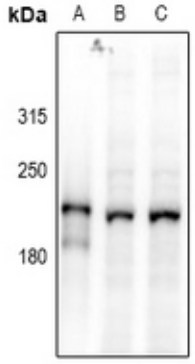
## Protein Information

| | |
|---|---|
| **Name** | DOCK2 |
| **Synonyms** | KIAA0209 |
| **Function** | 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. May also participate in IL2 transcriptional activation via the activation of RAC2. |
| **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. |

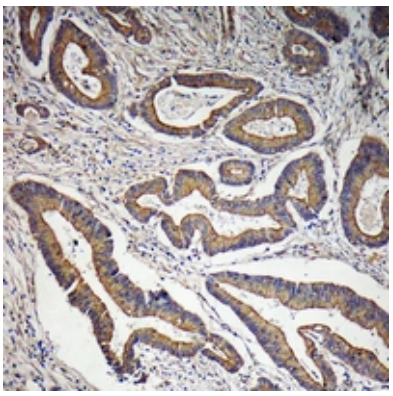
## Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DOCK2. The exact sequence is proprietary.

## Images




Western blot analysis of DOCK2 expression in rat thymus (A), Myla2059 (B), K562 (C) whole cell lysates.



Immunohistochemical analysis of DOCK2 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.