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Product datasheet for CF802698

DOCK2 Mouse Monoclonal Antibody [Clone ID: OTI7G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7G2
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1544-1830 of human DOCK2 (NP_004937) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dedicator of cytokinesis 2
Database Link:	NP_004937 Entrez Gene 94176 MouseEntrez Gene 360509 RatEntrez Gene 1794 Human Q92608

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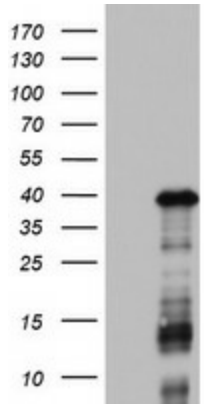
Background: The protein encoded by this gene belongs to the CDM protein family. It is specifically expressed in hematopoietic cells, predominantly in the peripheral blood leukocytes, and is involved in remodeling of the actin cytoskeleton required for lymphocyte migration, through the activation of RAC. Mice lacking this gene show a severe impairment in the migration and homing of lymphocytes. These mutant mice also exhibited long-term survival of allografts, suggesting that this gene may be a target for controlling transplant rejection. [provided by RefSeq, Oct 2011]

Synonyms: FLJ46592; KIAA0209

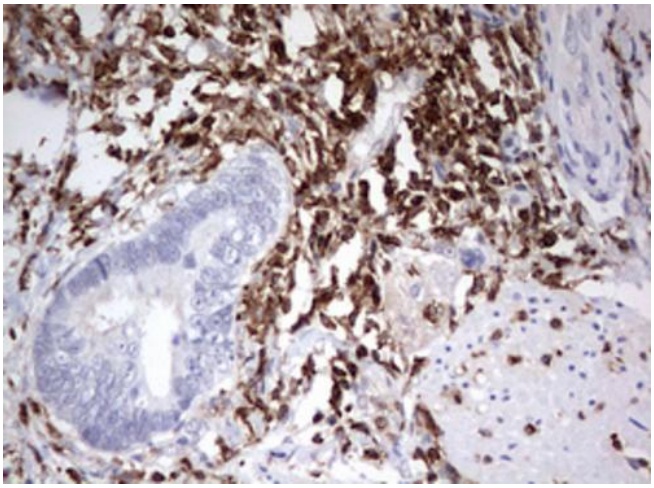
Protein Families: Druggable Genome

Protein Pathways: Chemokine signaling pathway, Fc gamma R-mediated phagocytosis

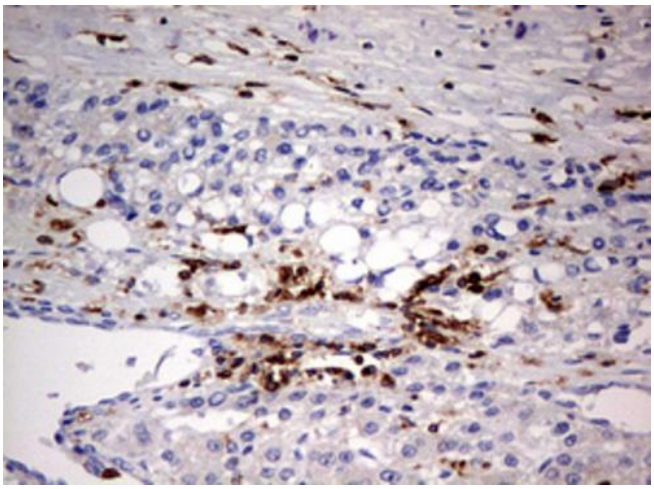
Product images:



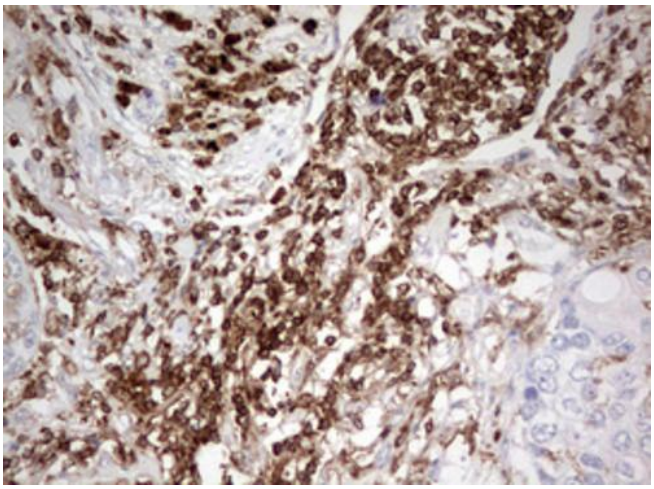
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DOCK2 (Cat# [RC211198], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DOCK2(Cat# [TA802698]).



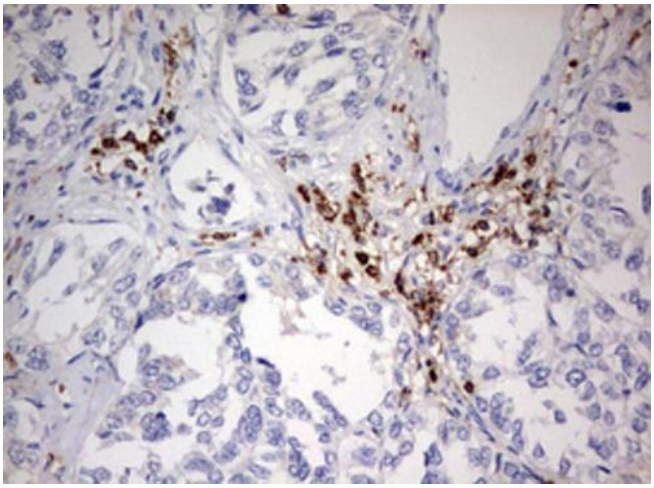
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



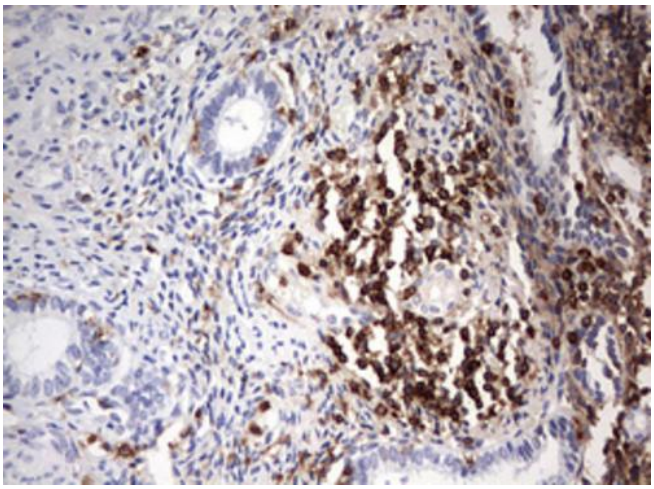
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



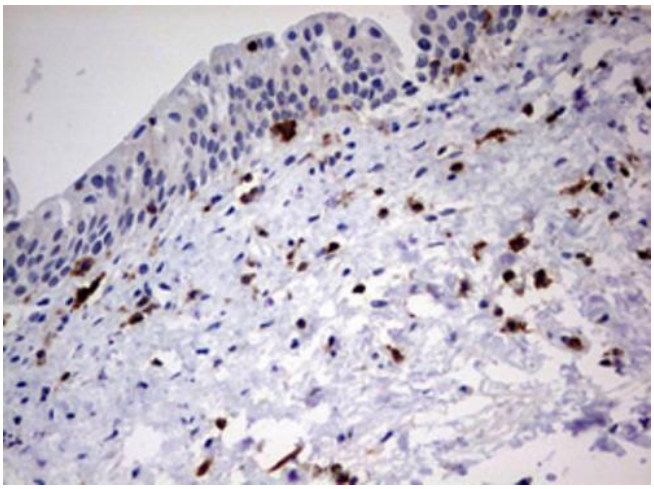
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



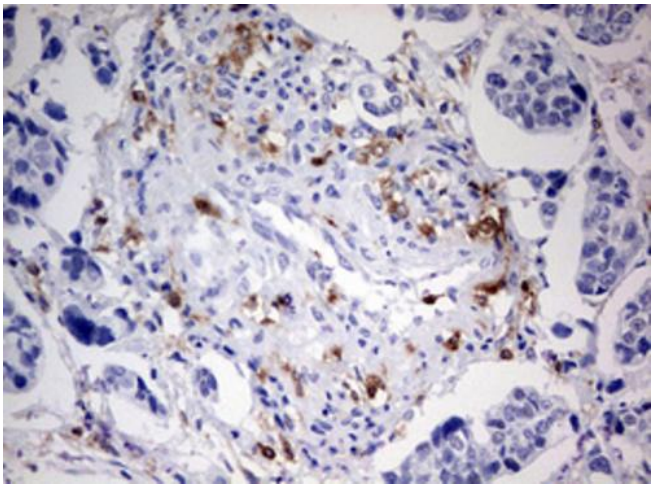
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DOCK2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.