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[Primary Antibody]

Rabbit Anti-DOCK10 antibody

Catalog Number: SL14403R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DOCK10
Immunogen:	KLH conjugated synthetic peptide derived from human DOCK10: 4-100/186
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig)
Predicted MW.:	250kDa
Subcellular Location:	cytoplasmic
Background:	DOCK 10 is a 2,183 amino acid protein that belongs to the DOCK family of cytokinesis-regulating proteins and cotnains one PH domain, one DHR-1 domain and one DHR-2 domain. Expressed at lower levels in lung and brain tissue, DOCK 10 functions as a potential GEF (guanine nucleotide exchange factor) that is able to activate target GTPases by exchanging bound GDP for free GTP. Multiple isoforms of DOCK 10 exist due to alternative splicing events. DOCK 1021,4008%。ABCA12；ABCG5ABCG8。——Alström2ALMS1。 **Function:** DOCK10 is a potential guanine nucleotide exchange factor (GEF). GEF proteins activate some small GTPases by exchanging bound GDP for free GTP. Two named isoforms exist, produced by alternative splicing. **Tissue Specificity:** Expressed at low level in brain and lung. Isoform 1 is

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	enriched in normal T-cells, isoform 3 is enriched in normal B-cells and chronic lymphocytic leukemia (CLL) B-cells. **Similarity:** Belongs to the DOCK family. Contains 1 DHR-1 domain. Contains 1 DHR-2 domain. Contains 1 PH domain. **Database links:** **Entrez Gene:** 55619 Human Omim: 611518 Human **SwissProt:** Q96BY6 Human

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