

## Product datasheet for **AP21159PU-M**

### DOCK1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of DOCK 180 protein. (region surrounding Lys1692)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 215 kDa
Gene Name:	dedicator of cytokinesis 1
Database Link:	<a href="#">Entrez Gene 330662 Mouse</a> <a href="#">Entrez Gene 1793 Human</a> <a href="#">Q14185</a>



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**Background:**

The v-Crk oncogene product shares homologous amino acid sequences, designated Src homology region 2 (SH2) and SH3, with many molecules involved in signal transduction. The v-Crk cellular homolog, c-Crk, is a member of a newly emerging class of genes including Nck and GRB2/ASH which encode proteins that consist primarily of SH2 and SH3 domains. Two distinct human c-Crk cDNAs, designated Crk I and Crk II, have been identified and shown to represent alternative splice products of c-Crk. The major translational product of c-Crk I has been identified as a 28 kDa variably expressed protein, while c-Crk II encodes a widely expressed 40 kDa protein and a more variably expressed 42 kDa protein. The major c-Crk transforming activity appears associated with c-Crk I p28 expression. DOCK 180, a 180 kDa protein downstream of Crk, has been identified as a major Crk-associated protein. When DOCK 180 is recruited to the plasma membrane from a cytoplasmic reservoir, presumably by Crk, changes in cellular morphology and spindle formation occur, suggesting DOCK 180 to be a Crk effector molecule.

**Synonyms:**

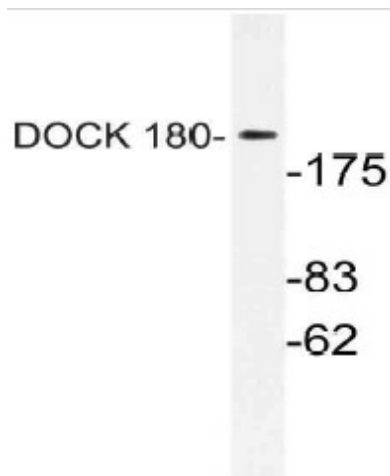
ced5; DOCK180

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Focal adhesion, Regulation of actin cytoskeleton

**Product images:**


Western blot (WB) analysis of DOCK 180 antibody (Cat.-No.: [AP21159PU-N]) in extracts from HUVEC cells.