

## RABEPK Polyclonal Antibody

Catalog number: 10213-2-AP

Size: 75 µg/150 µl

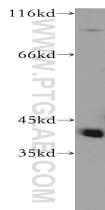
Source: Rabbit

Isotype: IgG

Synonyms:

RABEPK; DKFZp686P1077;

RAB9P40; bA65N13.1; p40



HeLa cells were subjected to SDS PAGE followed by western blot with 10213-2-AP (RABEPK Antibody) at dilution of 1:800

### Background

Rab9 GTPase is required for the transport of mannose 6-phosphate receptors from endosomes to the trans-Golgi network in living cells, and in an in vitro system that reconstitutes this process. P40 is an effector of Rab9 that interacts preferentially with the active form of Rab9. p40 does not interact with Rab7 or K-Ras; it also fails to bind Rab9 when it is bound to GDI. The protein is found in cytosol, yet a significant fraction (~30%) is associated with cellular membranes. P40 is a very potent transport factor in that the pure, recombinant protein can stimulate, significantly, an in vitro transport assay that measures transport of mannose 6-phosphate receptors from endosomes to the trans-Golgi network.

### Applications

Tested applications:	ELISA, WB
Species specificity:	Human, mouse, rat; other species not tested.
Positive WB detected in:	HeLa cells
Calculated RABEPK MW:	40kd
Observed RABEPK MW:	44kd
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:50-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

### Immunogen information

Immunogen:	Ag0285
GenBank accession number:	BC000503
Gene ID (NCBI):	10244
Full name:	Rab9 effector protein with kelch motifs

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.