Recombinant p40 Monoclonal Antibody

catalog number: **AN301961L**

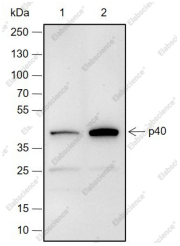
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human p40 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331582
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:2000

Data



Western Blot with p40 Monoclonal Antibody at dilution of 1:2000. Lane 1: HepG2, Lane 2: HeLa

Observed-MW:41 kDa

Calculated-MW:41 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

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.

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