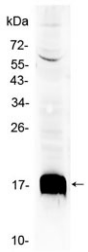
Sca-1 Antibody / Ly6A/E (R32665)

Catalog No.	Formulation	Size
R32665	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P05533
Applications	WB: 0.5-1ug/ml
Limitations	This Sca-1 antibody is available for research use only.



Western blot testing of mouse HepA1-6 cell lysate with Sca-1 antibody at 0.5ug/ml. Expected molecular weight: 14-18 kDa.

Description

Stem cell antigen-1 (Sca-1) is a mouse glycosyl phosphatidylinositol-anchored protein and a cell surface marker found on hematopoietic stem cells (HSCs). It is encoded by the strain-specific Ly-6 E/A allelic gene. Sca-1 has been discovered in several non hematopoietic tissues and can be used to enrich progenitor cell populations other than HSC. It is suggested that Sca-1 could be involved in regulating both B and T cell activation.

Application Notes

Optimal dilution of the Sca-1 antibody should be determined by the researcher.

Immunogen

Amino acids 48-75 (YPDGVCVTQEAAVIVDSQTRKVKNNLCL) from the mouse protein were used as the immunogen for the Sca-1 antibody.

Storage

After reconstitution, the Sca-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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