



Polyclonal Anti- CD82 (Sepharose Bead Conjugate)

Catalogue No. PA1307-S

Lot No. 09H01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity Human, rat, mouse. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP)

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human CD82, different to the related mouse sequence by two amino acids.

Purification Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN $_3a_3$ preservative.

Storage Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

CD82 (Cluster of Differentiation 82), also named KAI1, is a human protein encoded by the CD82 gene. The gene is mapped to 11p11.2.1 This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter.2 The expression of CD82 protein appears to be correlated with lymph node metastasis in esophageal squamous cell carcinoma (ESCC).3 And the CD82 overexpression can suppress tumor invasiveness and metastatic potential by inducing MMP9 inactivation via upregulation of TIMP1.4

REFERENCE

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3. Miyazaki, T.; Kato, H.; Shitara, Y.; Yoshikawa, M.; Tajima, K.; Masuda, N.; Shouji, H.; Tsukada, K.; Nakajima, T.; Kuwano, H. : Mutation and expression of the metastasis suppressor gene KAI1 in esophageal squamous cell carcinoma. *Cancer* 89: 955-962, 2000.

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