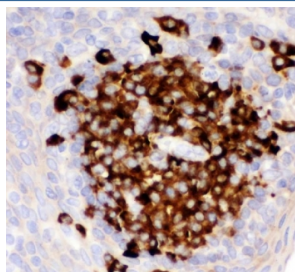


## CD82 Antibody (R31587)

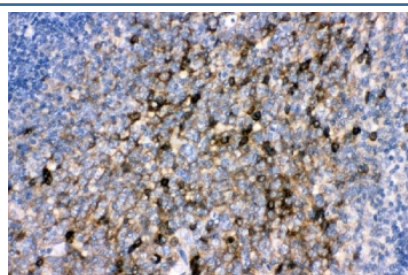
Catalog No.	Formulation	Size
R31587	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

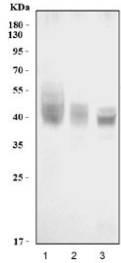
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	3732
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This CD82 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with CD82 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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Western blot testing of human 1) Jurkat, 2) Raji and 3) U-87 MG cell lysate with CD82 antibody. Expected molecular weight: 30-60 kDa depending on glycosylation level.

## Description

Cluster of Differentiation 82, also called KAI1, is a protein that in humans encoded by the CD82 gene. The gene is mapped to 11p11.2. This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression 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. The expression of CD82 appears to be correlated with lymph node metastasis in esophageal squamous cell carcinoma (ESCC). And overexpression can suppress tumor invasiveness and metastatic potential by inducing [MMP9](#) inactivation via upregulation of [TIMP1](#).

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD82 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 98-267) was used as the immunogen for this CD82 antibody.

## Storage

After reconstitution, the CD82 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.