# CD82 Rabbit mAb

Catalog No.: A9264 Recombinant



## **Basic Information**

#### **Observed MW**

35-50kDa

#### **Calculated MW**

30kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse

#### CloneNo number

ARC1501

## **Background**

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. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

### **Recommended Dilutions**

WB 1:1000 - 1:6000

IF/ICC 1:200 - 1:2000

IF-P 1:200 - 1:2000

IHC-P 1:100 - 1:500

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## **Immunogen Information**

**Gene ID**3732

Swiss Prot
P27701

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27; CD82

## Contact

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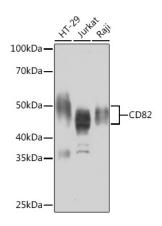
### **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

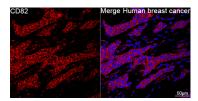


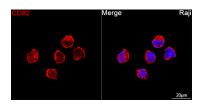
Western blot analysis of various lysates, using CD82 Rabbit mAb (A9264) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

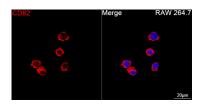
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.







Confocal imaging of paraffin-embedded Human breast cancer using CD82 Rabbit mAb (A9264, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffinembedded Human tonsil tissue using CD82 Rabbit mAb (A9264) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Confocal imaging of Raji cells using CD82 Rabbit mAb (A9264, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of RAW 264.7 cells using CD82 Rabbit mAb (A9264, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.