

Rabbit Anti-CD82 [EP160]: RM0054

Intended Use: For Research Use Only

Description: CD82, also known as metastasis suppressor Kangai-1 (KAI1). Recent studies have shown its function as a metastasis suppressor in various tumors. In addition, it may also serve as a marker for activation/differentiation of mononuclear cells. In normal tissue, CD82 labels activated/differentiated hematopoietic cells and some glandular epithelial cells. In tumors, the expression of CD82 has been shown to be downregulated in tumor progression. CD82 can be activated by p53 through a consensus binding sequence in the promoter. Loss of p53 function, which is commonly observed in many types of cancers, may lead to the downregulation of the CD82 gene. The correlation between lower or no expression of CD82 and poor tumor prognosis is observed in many types of tumors, including prostate, breast, colon, stomach, bladder, lung, liver, pancreas, and ovary tumors.

Specifications:

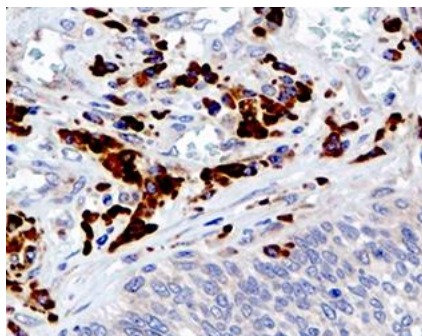
Clone: EP160
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane, cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
CD82 Concentrated	RM0054	1 ml

IHC Procedure*:

Positive Control Tissue: Spleen, myeloid leukemia
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human lung carcinoma stained with anti-CD82 using DAB

Doc. 100-RM0054
Rev. A