Datasheet for ABIN1112259

CD82 (human): 293T Lysate

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Overview

Quantity:	100 µg
Target:	CD82
Species of Lysate:	Human Cells
Application:	Western Blotting (WB)

Product Details

Characteristics:	CD82 (KAI1) is a highly glycosylated membrane protein belonging to the tetraspanins. The tetraspanins are a family of proteins that possesses four transmembrane domains, namely, the NH2- and COOH-terminal cytoplasmic domains, and two extracellular loops. A few tetraspanins, including CD151, tetraspanin 8, CD82, and CD9, are involved in tumor metastasis. CD82 is a metastasis suppressor implicated in cell fusion, adhesion, migration, apoptosis, and cell morphology alterations. It has attracted much attention in various human cancers, such as prostate, pancreatic, lung, gastric, hepatic, and colorectal cancers. As a membrane protein, CD82 interacts with integrins, other tetraspanins (CD9, CD63, and CD81), cell-surface molecules (CD4, CD8, CD19, and CD21), and MHC class I and class II, which includes CD82 into a newly defined tetraspanin web Two types of PTMs, namely, glycosylation and palmitoylation, occur on CD82. The palmitoylation is reportedly an important PTM for its motility- and invasiveness-inhibitory activity. On the other hand, CD82 has three potential N-glycosylation sites located at the large extracellular loop. CD82N- glycosylation has been previously shown to play a potent role in cell adhesion and motility. White et al. found that CD82 has distinct heterogeneous protein band patterns in various human cancer cell lines, which are most likely associated with N-glycosylation. Lysate of human CD82 transfected 293T cells
Lysate Fraction:	Whole Cell Lysate

Product Details

Lysate Type:	Overexpression Lysate
Lysed Cells:	HEK 293T Cells

Target Details

Target:	CD82
Alternative Name:	CD82 (CD82 Products)

Application Details

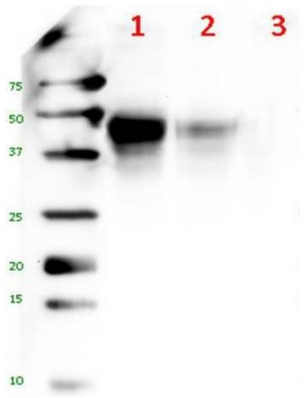
Application Notes:	CD82 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD82 antibodies. Recommended use: 10-20 µl per lane. Control 293T Lysate: 293LYS is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.
Restrictions:	For Research Use only

Handling

Handling Advice:	Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.
Storage:	-20 °C

Publications

Product cited in:	Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 43, Issue 3, pp. 313-20, (1995) (PubMed). There are more publications referencing this product on: Product page



Western blot analysis of CD82 expression in human CD82 transfected: H82LYS (1, 2,) and non-transfected: 293LYS (3) 293Twhole cell lysates.

1. H82LYS Sample 20 µl
2. H82LYS Sample 10 µl
3. 293LYS Sample

Image 1.