

Datasheet for ABIN500108
anti-CD82 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	CD82
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD82 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KAI1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human KAI1.
Isotype:	IgG
Specificity:	This antibody detects CD82 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	CD82
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Target Details

Alternative Name:	CD82 (CD82 Products)
Background:	<p>KAI1 was initially identified from a T-cell activation study as a four-transmembrane protein that plays an accessory role in T-cell activation, and was later determined to act as a cancer metastasis suppressor gene. This protein is ubiquitously expressed at moderate to high levels in most tissues, but its expression is downregulated during tumor progression. The loss of KAI1 and p53 is associated with poor survival for prostate and other cancer patients. Recently, KAI1 was found to interact with DARC, the Duffy antigen for chemokines using a yeast two hybrid screen. It is thought that tumor cells dislodged from the primary tumor and expressing KAI1 interact with DARC proteins expressed on vascular cells, transmitting a senescent signal to the tumor cells, while tumor cells that have lost KAI1 expression can proliferate and potentially give rise to metastases. At least two isoforms of KAI1 are known to exist. Synonyms: C33 antigen, IA4, Inducible membrane protein R2, KAI1, Kangai-1, Metastasis suppressor Kangai-1, SAR2, ST6, Suppressor of tumorigenicity protein 6, TSPAN27, Tetraspanin-27</p>
Gene ID:	3732
NCBI Accession:	NP_002222
UniProt:	P27701
Pathways:	p53 Signaling

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

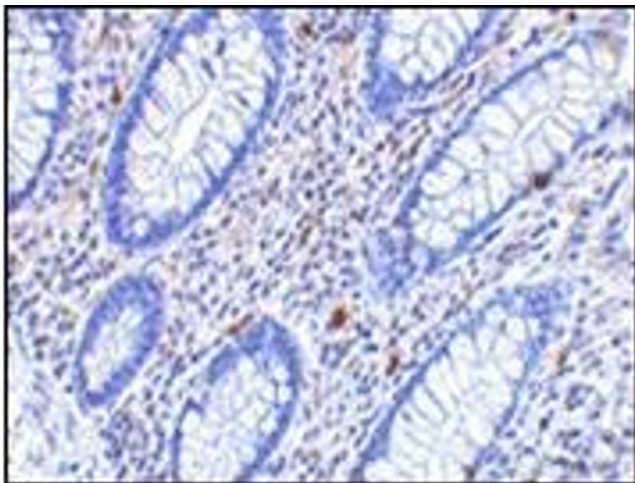
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

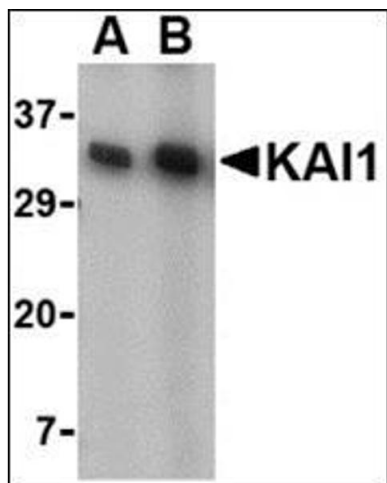
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of KAI1 in human colon tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of KAI1 in A549 cell lysate with this product at (A) 0.5 and (B) 1 µg/ml.