

Anti-KAI1 CD82 Antibody

Catalog Number: A02300

About CD82

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.

Overview

Product Name	Anti-KAI1 CD82 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KAI1 CD82 Antibody (Catalog # A02300). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	KAI1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	KAI1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P27701

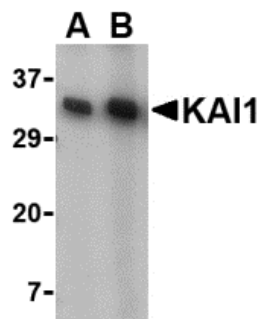
Technical Details

Immunogen	KAI1 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human KAI1. The immunogen is located within the last 50 amino acids of KAI1.
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	KAI1 Antibody is affinity chromatography purified via peptide column.

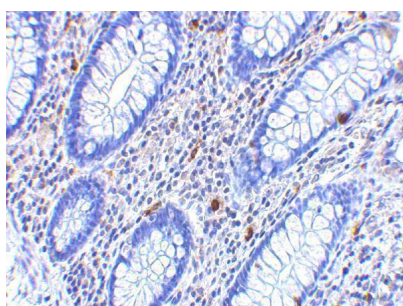
Suggested Dilutions

KAI1 antibody can be used for detection of KAI1 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

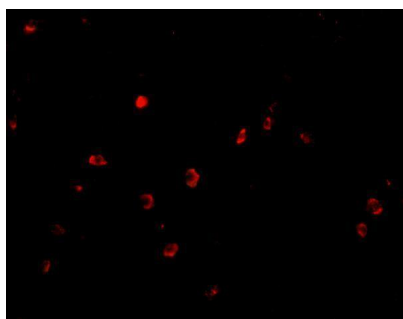
Anti-KAI1 CD82 Antibody (A02300) Images



Western blot analysis of KAI1 in A549 cell lysate with KAI1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of KAI1 in human colon tissue with KAI1 antibody at 2.5 ug/mL.



Immunofluorescence of KAI1 in Human Colon cells with KAI1 antibody at 20 ug/mL.

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