

Rabbit KAI1 Polyclonal Antibody | anti-CD82 antibody

KAI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39233	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

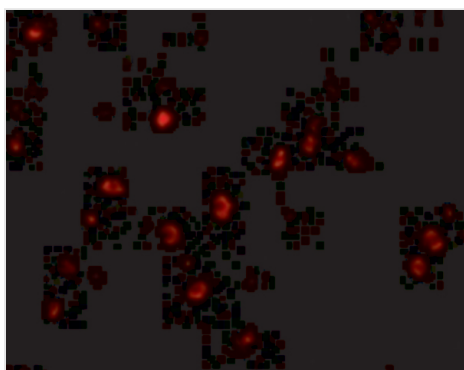
PRODUCT SYNONYMS

KAI1; Polyclonal Antibody; KAI1 Antibody; R2; 4F9; C33; IA4; ST6; GR15; SAR2; TSPAN27; CD82 antigen; C33 antigen; Tspan-27; CD82 molecule; anti-CD82 antibody

PRODUCT SPECIFICATIONS

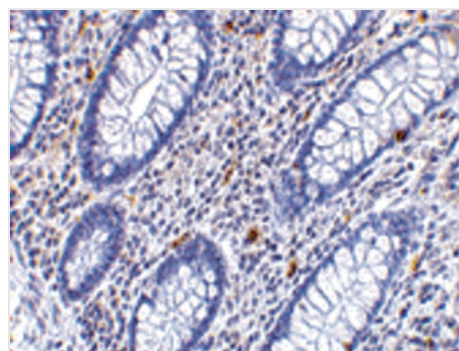
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	KAI1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	267
Applicable Applications for anti-CD82 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KAI1 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human KAI1.
Buffer	KAI1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	KAI1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



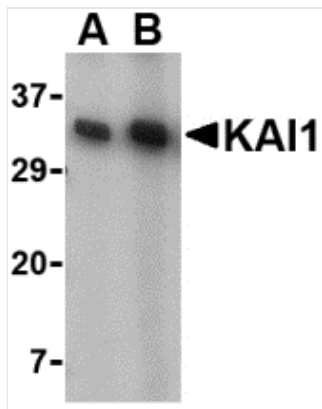
IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CD82 antibody

KAI1 Antibody: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504813
NCBI GeneID	3732
NCBI Accession #	NP_002222
NCBI GenBank Nucleotide #	NM_002231.3
UniProt Accession #	P27701 ; Q7Z2D4 ; Q7Z5N2 ; D3DQN6 ; E9PC70
Molecular Weight	26,818 Da
NCBI Official Full Name	CD82 antigen isoform 1
NCBI Official Synonym Full Names	CD82 molecule
NCBI Official Symbol	CD82
NCBI Official Synonym Symbols	R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27
NCBI Protein Information	CD82 antigen; tspar-27; C33 antigen; tetraspanin-27; inducible membrane protein R2; metastasis suppressor Kangai-1; kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))
UniProt Protein Name	CD82 antigen
UniProt Gene Name	CD82
UniProt Synonym Gene Names	KAI1; SAR2; ST6; TSPAN27; Tspan-27
UniProt Entry Name	CD82_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kai1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39233>