

Product datasheet for **TA306407**

CD82 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KAI1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human KAI1.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD82 molecule
Database Link:	NP_001020015 Entrez Gene 12521 Mouse Entrez Gene 83628 Rat Entrez Gene 3732 Human P27701

Background: 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.



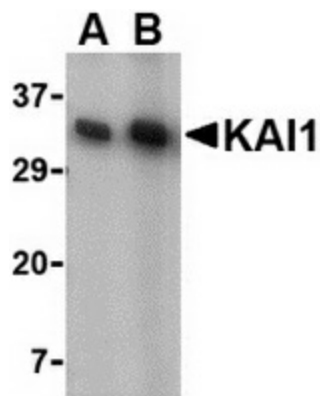
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Synonyms: 4F9; C33; GR15; IA4; KAI1; R2; SAR2; ST6; TSPAN27

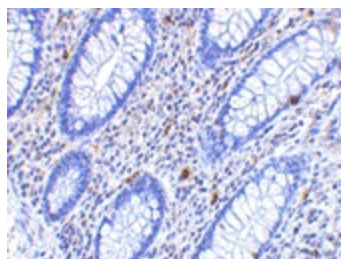
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: p53 signaling pathway

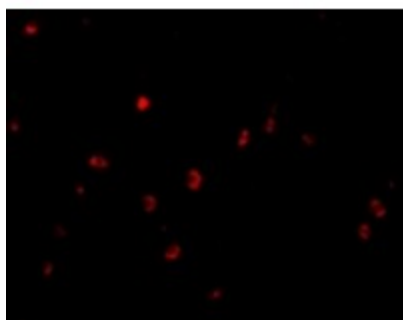
Product images:



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.