

Rabbit anti-Human IGF2-AS Polyclonal Antibody | anti-IGF2-AS antibody

Anti-IGF2-AS Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126606	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

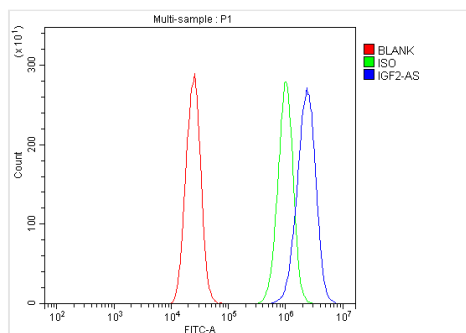
PRODUCT SYNONYMS

IGF2-AS; Polyclonal Antibody; Anti-IGF2-AS Antibody Picoband; anti-IGF2-AS antibody

PRODUCT SPECIFICATIONS

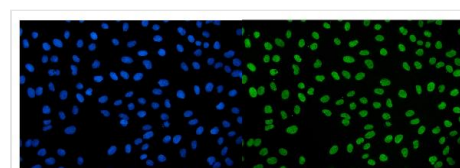
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-IGF2-AS antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E Coli-derived human IGF2-AS recombinant protein (Position: M1-K168).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freeze-thaw cycles.

IMAGES



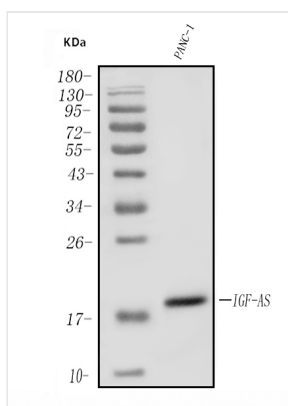
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of CACO-2 cells using anti-IGF2-AS antibody (AAA126606). Overlay histogram showing CACO-2 cells stained with AAA126606 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IGF2-AS Antibody (AAA126606, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of IGF2-AS using anti-IGF2-AS antibody (AAA126606). IGF2-AS was detected in immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-IGF2-AS Antibody (AAA126606) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of IGF2-AS using anti-IGF2-AS antibody (AAA126606). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human PANC-1 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IGF2-AS antigen affinity purified polyclonal antibody (#AAA126606) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IGF2-AS at approximately 18KD. The expected band size for IGF2-AS is at 18KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IGF2-AS antibody	This gene is expressed in antisense to the insulin-like growth factor 2 (IGF2) gene and is imprinted and paternally expressed. It is thought to be non-coding because the putative protein is not conserved and translation is predicted to trigger nonsense mediated decay (NMD). Transcripts from this gene are produced in tumors and may function to suppress cell growth. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-IGF2-AS antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	223460516
NCBI GeneID	51214
UniProt Accession #	Q6U949 ; Q7Z712 ; Q9P2W0 ; A5PKV8 ; A6NNQ2
Molecular Weight	18,035 Da
NCBI Official Full Name	IGF2AS protein
NCBI Official Synonym Full Names	IGF2 antisense RNA
NCBI Official Symbol	IGF2-AS
NCBI Official Synonym Symbols	PEG8; IGF2AS; IGF2-AS1
UniProt Protein Name	Putative insulin-like growth factor 2 antisense gene protein
UniProt Gene Name	IGF2-AS
UniProt Synonym Gene Names	IGF2-AS1; IGF2AS; IGF2-AS1

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.