

Rabbit WNT10B Polyclonal Antibody | anti-WNT10B antibody

Anti-WNT10B Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126236	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

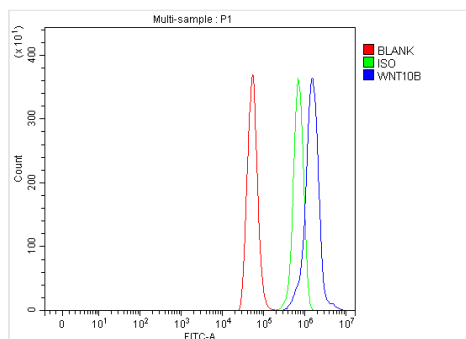
PRODUCT SYNONYMS

WNT10B; Polyclonal Antibody; Anti-WNT10B Antibody Picoband; anti-WNT10B antibody

PRODUCT SPECIFICATIONS

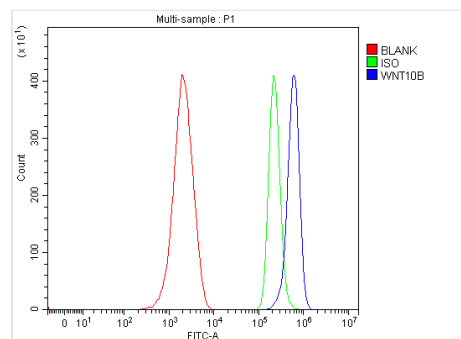
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-WNT10B antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human WNT10B (RLPHHSAILKRGFRE).
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 freezing and thawing.

IMAGES



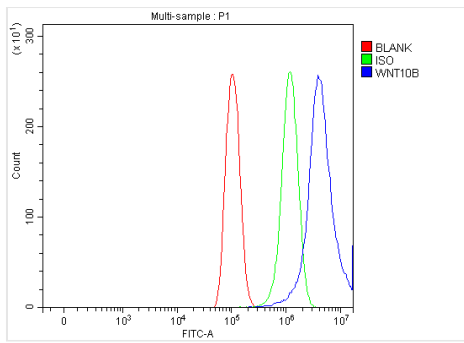
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of NRK cells using anti-WNT10B antibody (AAA126236). Overlay histogram showing NRK cells stained with AAA126236 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WNT10B Antibody (AAA126236, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



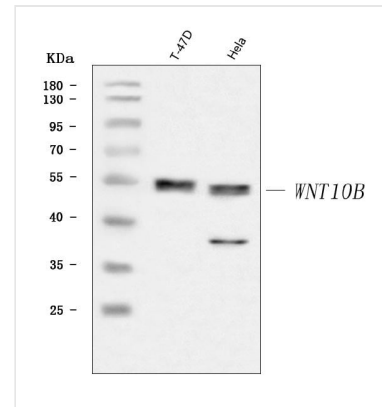
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of ANA-1 cells using anti-WNT10B antibody (AAA126236). Overlay histogram showing ANA-1 cells stained with AAA126236 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WNT10B Antibody (AAA126236, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-WNT10B antibody (AAA126236). Overlay histogram showing PC-3 cells stained with AAA126236 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WNT10B Antibody (AAA126236, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of WNT10B using anti-WNT10B antibody (AAA126236). 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 30 ug of sample under reducing conditions. Lane 1: human T-47D whole cell lysates, Lane 2: human Hela whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-WNT10B antigen affinity purified polyclonal antibody (#AAA126236) 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 WNT10B at approximately 50 kDa. The expected band size for WNT10B is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-WNT10B antibody	Protein Wnt-10b (formerly Wnt12[5]) is a protein that in humans is encoded by the WNT10B gene. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It may be involved in breast cancer, and its protein signaling is likely a molecular switch that governs adipogenesis. This protein is 96% identical to the mouse Wnt10b protein at the amino acid level. This gene is clustered with another family member, WNT1, in the chromosome 12q13 region.
Product Categories/Family for anti-WNT10B antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16936522
NCBI GeneID	7480
NCBI Accession #	NP_003385
NCBI GenBank Nucleotide #	NM_003394.3
UniProt Accession #	O00744; O00747; Q4VAJ4; Q4VAJ5; Q8WZ97; B2R7A5
Molecular Weight	Predicted: 43 kDa Observed: 47 kDa
NCBI Official Full Name	protein Wnt-10b
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 10B
NCBI Official Symbol	WNT10B
NCBI Official Synonym Symbols	SHFM6; WNT-12

NCBI Protein Information	protein Wnt-10b; WNT-10B protein
UniProt Protein Name	Protein Wnt-10b
UniProt Gene Name	WNT10B
UniProt Synonym Gene Names	WNT12
UniProt Entry Name	WN10B_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://www.aaabiotech.com/polyclonal/wnt10b-antibody-flow-cytometry-western-blot-elisa/126236>