

Rabbit anti-Human THBS3 Polyclonal Antibody | anti-THBS3 antibody

Anti-THBS3 Antibody Picoband

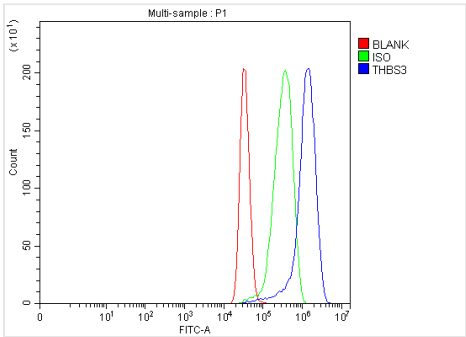
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126599	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

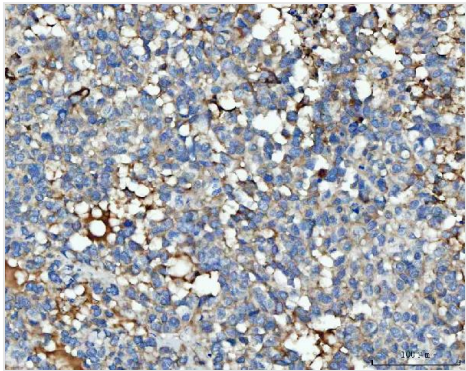
THBS3; Polyclonal Antibody; Anti-THBS3 Antibody Picoband; anti-THBS3 antibody

PRODUCT SPECIFICATIONS

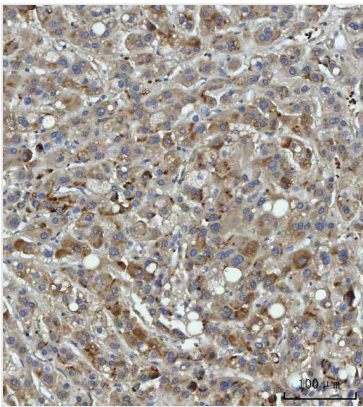
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-THBS3 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human THBS3 recombinant protein (Position: Q23-T486).
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.



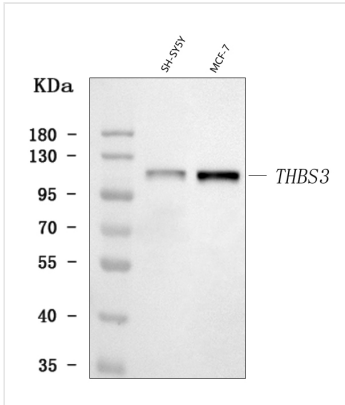
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of MCF-7 cells using anti-THBS3 antibody (AAA126599).Overlay histogram showing MCF-7 cells stained with AAA126599 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-THBS3 Antibody (AAA126599, 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.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of THBS3 using anti-THBS3 antibody (AAA126599).THBS3 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-THBS3 Antibody (AAA126599) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of THBS3 using anti-THBS3 antibody (AAA126599).THBS3 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-THBS3 Antibody (AAA126599) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of THBS3 using anti-THBS3 antibody (AAA126599).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 SH-SY5Y whole cell lysates,Lane 2: human MCF-7 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-THBS3 antigen affinity purified polyclonal antibody (#AAA126599) 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 THBS3 at approximately 120 kDa. The expected band size for THBS3 is at 104 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-THBS3 antibody	Thrombospondin-3 (TSP3) is a protein that in humans is encoded by the THBS3 gene. The protein encoded by this gene belongs to the thrombospondin family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentameric molecule linked by a single disulfide bond. This gene shares a common promoter with metaxin 1. Alternate splicing results in coding and non-coding transcript variants.
Product Categories/Family for anti-THBS3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	357933596
NCBI GeneID	7059
NCBI Accession #	NP_001239537.1
NCBI GenBank Nucleotide #	NM_001252608.1
UniProt Accession #	P49746; Q8WV34; B1AVR8; B4DQ20
Molecular Weight	104,201 Da
NCBI Official Full Name	thrombospondin-3 isoform 3
NCBI Official Synonym Full Names	thrombospondin 3
NCBI Official Symbol	THBS3
NCBI Official Synonym Symbols	TSP3
NCBI Protein Information	thrombospondin-3
UniProt Protein Name	Thrombospondin-3
UniProt Gene Name	THBS3
UniProt Synonym Gene Names	TSP3
UniProt Entry Name	TSP3_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/thbs3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126599>