

Rabbit anti-Human TAB3 Polyclonal Antibody | anti-TAB3 antibody

Anti-TAB3 Antibody Picoband

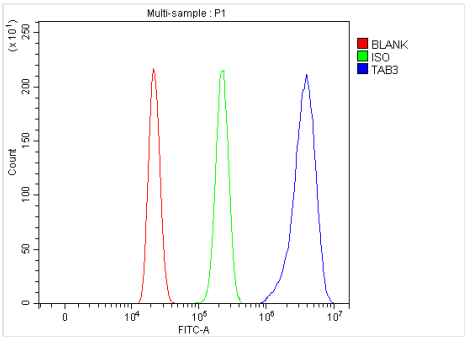
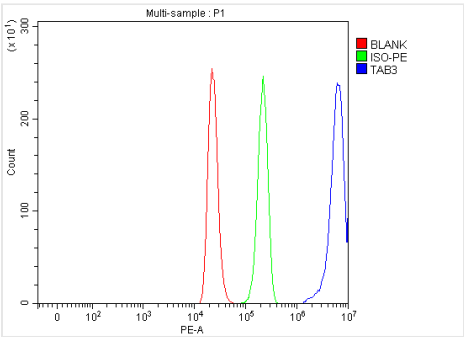
CATALOG # AAA127275	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

TAB3; Polyclonal Antibody; Anti-TAB3 Antibody Picoband; RNA-binding protein Musashi homolog 1; matrix metallopeptidase 16; Matrix metalloproteinase-16; MMP-16; 3.4.24.-; MMP-X2; Membrane-type matrix metalloproteinase 3; MT-MMP 3; MTMMP3; Membrane-type-3 matrix metalloproteinase; MT3-MMP; MT3MMP; MMP16; MMPX2; anti-TAB3 antibody

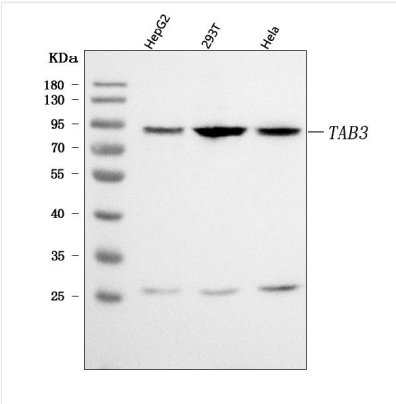
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary.
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 .
Applicable Applications for anti-TAB3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TAB3 recombinant protein (Position: R70-D656).
Subcellular Localization	Isoform Long: Cell membrane, Localized at the cell surface of melanoma cells
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform short cleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells.
Preparation and Storage	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 3. Flow Cytometry analysis of HL-60 cells using anti-TAB3 antibody (AAA127275).Overlay histogram showing HL-60 cells stained with AAA127275 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAB3 Antibody (AAA127275, 1ug/1x106 cells) for 30 min at 20 degree C. PE conjugated goat anti-rabbit IgG (5-10ug/1x106 cells) 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HL-60 cells using anti-TAB3 antibody (AAA127275).Overlay histogram showing HL-60 cells stained with AAA127275 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAB3 Antibody (AAA127275, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of TAB3 using anti-TAB3 antibody (AAA127275).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 HepG2 whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: 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-TAB3 antigen affinity purified polyclonal antibody (#AAA127275) at 0.5ug/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 TAB3 at approximately 90 kDa. The expected band size for TAB3 is at 79 kDa.

WB (Western Blot)
Figure 1. Western blot analysis of TAB3 using anti-TAB3 antibody (AAA127275).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 HepG2 whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: 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-TAB3 antigen affinity purified polyclonal antibody (#AAA127275) at 0.5ug/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 TAB3 at approximately 90 kDa. The expected band size for TAB3 is at 79 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TAB3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-TAB3 antibody	Primary Antibodies; Angiogenesis; Cancer; Cardiovascular; Cell Biology; ECM Enzymes; Extracellular Matrix; Invasion/Microenvironment; Metalloprotease; Proteolysis/Ubiquitin; Proteolytic Enzymes
References	1. Jin, G., Klika, A., Callahan, M., Faga, B., Danzig, J., Jiang, Z., Li, X., Stark, G. R., Harrington, J., Sherf, B. Identification of a human NF-kappa-B-activating protein, TAB3. Proc. Nat. Acad. Sci. 101: 2029-2033, 2004.2. Zhang, L., Ding, X., Cui, J., Xu, H., Chen, J., Gong, Y.-N., Hu, L., Zhou, Y., Ge, J., Lu, Q., Liu, L., Chen, S., Shao, F. Cysteine methylation disrupts ubiquitin-chain sensing in NF-kappa-B activation. Nature 481: 204-208, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	98991767
NCBI GeneID	257397
NCBI Accession #	NP_690000
NCBI GenBank Nucleotide #	NM_152787.3
UniProt Accession #	Q8N5C8; Q6VQR0; A6NDD9
Molecular Weight	75,599 Da
NCBI Official Full Name	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3
NCBI Official Synonym Full Names	TGF-beta activated kinase 1/MAP3K7 binding protein 3
NCBI Official Symbol	TAB3
NCBI Official Synonym Symbols	NAP1; MAP3K7IP3
NCBI Protein Information	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3; TAB-3; TAK1-binding protein 3; NFkB activating protein 1; NF-kappa-B-activating protein 1; TGF-beta-activated kinase 1-binding protein 3; mitogen-activated protein kinase kinase kinase 7 interactin
UniProt Protein Name	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3
UniProt Gene Name	TAB3
UniProt Synonym Gene Names	MAP3K7IP3; TAB-3
UniProt Entry Name	TAB3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tab3-antibody-flow-cytometry-western-blot-elisa/127275>