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Product datasheet for TA326718

Thrombospondin 1 (THBS1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, WB
Recommended Dilution:	ELISA: 1:128000; WB: 0.1-0.3µg/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence NRIPESGGDNSVFD-C, from the N Terminus of the protein sequence according to NP_003237.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	thrombospondin 1
Database Link:	NP_003237 Entrez Gene 21825 MouseEntrez Gene 445442 RatEntrez Gene 7057 Human P07996
Synonyms:	THBS; THBS-1; TSP; TSP-1; TSP1
Note:	In transfected HEK293 transiently expressing Human THBS1 a band of approx. 200kDa plus a breakdown product are observed. These bands are not observed in the non-transfected HEK293. The calculated molecular size is 129kDa according to NP_003237.2. Recommended concentration, 0.1-0.3µg/ml.
Protein Families:	Druggable Genome

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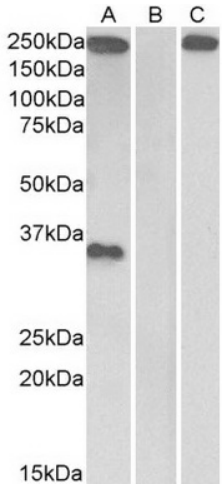
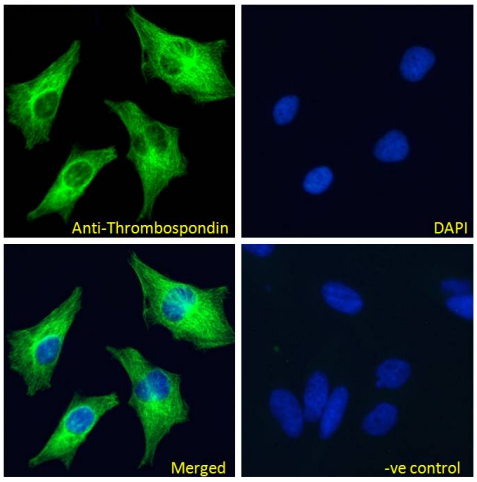
Protein Pathways: Bladder cancer, ECM-receptor interaction, Focal adhesion, p53 signaling pathway, TGF-beta signaling pathway

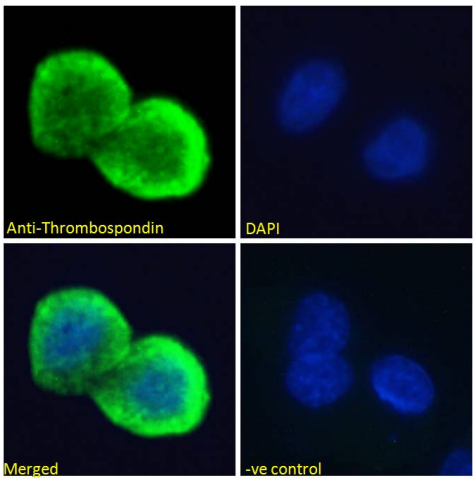
Product images:



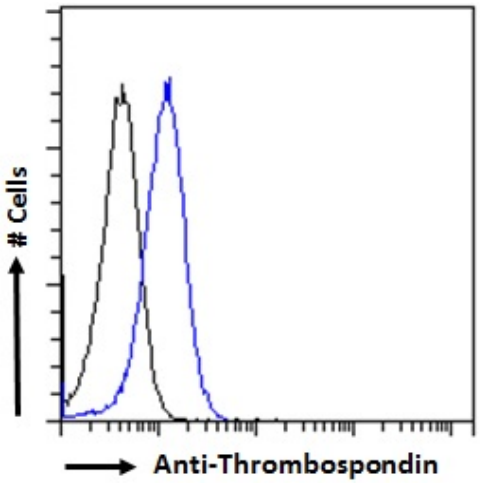
HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human THBS1 with C-terminal MYC tag probed with TA326718 (0.1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with TA326718 (0.1ug/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showiug cytoplasmic stainiug. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Immunofluorescence analysis of paraformaldehyde fixed Heug2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showiug cytoplasmic/Plasma Membrane stainiug. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.