Datasheet for ABIN337292

anti-Thrombospondin 1 antibody (Collagen-binding Domain)

2 Images

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Overview

Quantity:	50 µL
Target:	Thrombospondin 1 (THBS1)
Binding Specificity:	Collagen-binding Domain
Reactivity:	Human, Mouse, Rat, Cow, Horse, Pig, Dog, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Thrombospondin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Reduced and alkylated purified human TSP (fully denatured) from the supernatant of thrombin-activated platelets. MW of Antigen: ~450kD (non-reduced), 170-180kD (reduced). Epitope: Collagen Type V-binding domain of TSP.
Clone:	A6-1
Isotype:	IgG1
Specificity:	Recognizes Thrombospondin. Shows no cross-reactivity with fibronectin, fibrinogen and von Willebrand factor. Shows a mild cross-reaction with TSP 2. Inhibits TSP-collagen interaction. Antibody binding to TSP is unaffected by glycosaminoglycans (e. g. hyaluronic acid, chondroitin

Product Details

	sulfate and heparin). Its binding is enhanced by EDTA i. e. at low concentration of Ca2+. Species cross-reactivity: Human, bovine, porcine, equine, canine, sheep, mouse and rat.
Purification:	Protein G purified

Target Details

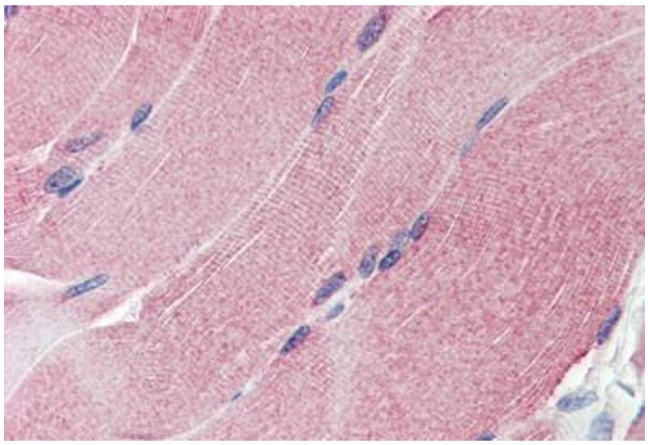
Target:	Thrombospondin 1 (THBS1)
Alternative Name:	Thrombospondin 1 (THBS1 Products)
Pathways:	Autophagy

Application Details

Application Notes:	Approved: Flo, IF, IHC, IHC-P (10 µg/mL), IP, WB Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL. The applications listed have been tested for the unmodified form of this product. Other forms have not been tested.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

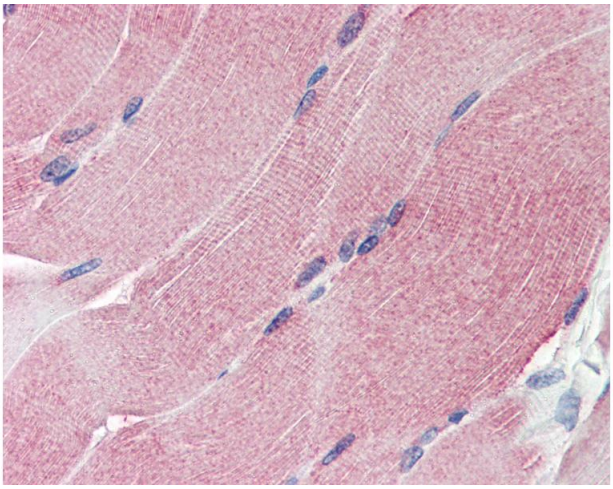
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.4.
Preservative:	Azide free
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Skeletal Muscle (formalin-fixed, paraffin-embedded) stained with THBS1 antibody ABIN337292 at 10 ug/ml followed by biotinylated anti-mouse IgG secondary antibody ABIN481714, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-Thrombospondin antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml. This image was taken for the unmodified form of this pr ...