

DATASHEET

Thrombospondin 1 Rabbit Monoclonal Antibody(C3263)

CAT. NO. AMA02875

KEY FEATURES

Target	Thrombospondin 1	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, IHC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.	Storage	at-20°C

BACKGROUND

Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions . Multifunctional, involved in inflammation, angiogenesis, wound healing, reactive oxygen species (ROS) signaling, nitrous oxide (NO) signaling, apoptosis, senescence, aging, cellular self-renewal, stemness, and cardiovascular and metabolic homeostasis . Negatively modulates dendritic cell activation and cytokine release, as part of an autocrine feedback loop, contributing to the resolution of inflammation and immune homeostasis . Ligand for receptor CD47 . Modulates nitrous oxide (NO) signaling via CD47, hence playing a role as a pressor agent, supporting blood pressure .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit monoclonal antibody to Thrombospondin 1
Specificity	Recognizes endogenous levels of Thrombospondin 1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant protein of human Thrombospondin 1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 129 kD; Observed: 180 kD
Form/Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Alternative Names	TSP; TSP1; Thrombospondin-1
Gene Symbol	THBS1
Entrez Gene	7057(Human)
SwissProt	P07996(Human); P35441(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

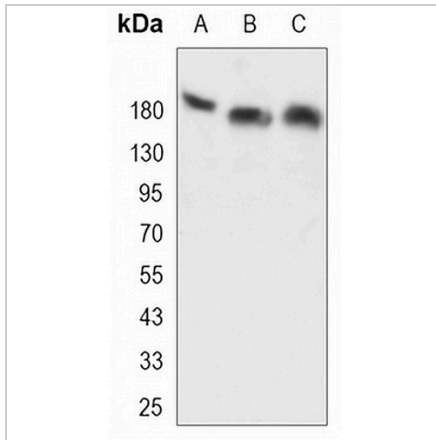
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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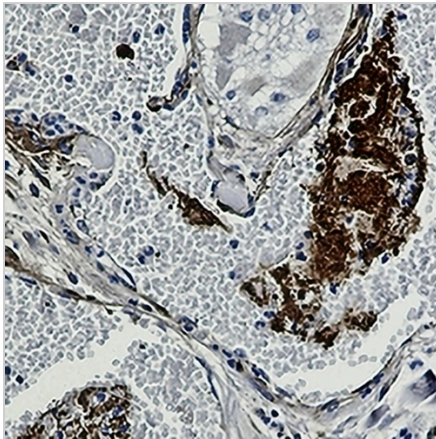
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Western blot analysis of Thrombospondin 1 expression in MCF7 (A), 293T (B), C2C12 (C) whole cell lysates. (Predicted band size: 129 kD; Observed band size: 180 kD)



Immunohistochemical analysis of Thrombospondin 1 staining in human cholangiocarcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.