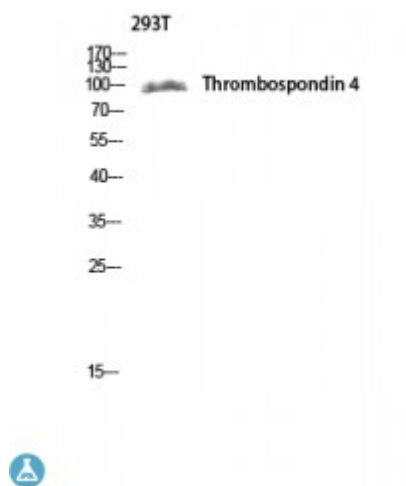


Anti-Thrombospondin 4 antibody



Description	Rabbit polyclonal to Thrombospondin 4.
Model	STJ96011
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human Thrombospondin 4
Immunogen Region	530-610 aa, Internal
Gene ID	7060
Gene Symbol	THBS4
Dilution range	IHC 1:100-1:300ELISA 1:20000
Specificity	Thrombospondin 4 Polyclonal Antibody detects endogenous levels of Thrombospondin 4 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Thrombospondin-4
Molecular Weight	105.869 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11788 OMIM:600715
Alternative Names	Thrombospondin-4
Function	Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions and is involved in various processes including cellular proliferation, migration, adhesion and attachment, inflammatory response to CNS injury, regulation of vascular inflammation and adaptive responses of the heart to pressure overload and in myocardial function and remodeling. Binds to structural extracellular matrix (ECM) proteins and modulates the ECM in response to tissue damage, contributing to cardioprotective and adaptive ECM remodeling. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors and protects myocardium from pressure overload. May contribute to spinal presynaptic hypersensitivity and neuropathic pain states after peripheral nerve injury. May play a role in regulating protective astrogenesis from the subventricular zone (SVZ) niche after injury in a NOTCH1-dependent manner .
Cellular Localization	Endoplasmic reticulum Sarcoplasmic reticulum Secreted Secreted, extracellular space Secreted, extracellular space, extracellular matrix