

## Product datasheet for **TA363191**

### Thbs4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle terminal region of Mouse THBS4
Specificity:	<b>Expected reactivity:</b> Mouse
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	106 kDa
Gene Name:	thrombospondin 4
Database Link:	<a href="#">NP_035712.1</a> <a href="#">Entrez Gene 21828 Mouse</a> <a href="#">Q9Z1T2</a>

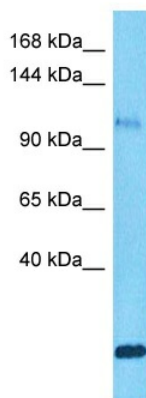
[View online »](#)

**Background:**

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.

**Synonyms:**

TSP4

**Product images:**


Host: Rabbit  
Target Name: Thbs4  
Sample Type: SP2/0 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: THBS4  
Sample Tissue: Mouse SP2/0 Whole Cell lysates  
Antibody Dilution: 1ug/ml