

Product datasheet for **TA326347**

Hsp47 (SERPINH1) Mouse Monoclonal Antibody [Clone ID: 1C4-1A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C4-1A6
Applications:	WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Human Hsp47, full length
Formulation:	PBS pH7.4, 50% glycerol and 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	serpin family H member 1
Database Link:	NP_001226 Entrez Gene 871 Human P50454



[View online »](#)

Background:

Versican (chondroitin sulfate proteoglycan 2) is a large extracellular matrix proteoglycan involved in cell growth and differentiation. Important as a structural molecule, versican creates loose and hydrated matrices during key events in development and disease. The protein contains hyaluronic acid and glycosaminoglycan-binding domains, epidermal growth factor-like repeats, a Lectinlike sequence and a complement regulatory protein-like domain. Splice variants differ greatly in length and degree of modification by glycoaminoglycan chains. Accumulation around smooth muscle cells in lesions of athero-sclerosis suggests a role for versican in atherogenesis. Versican, differentially expressed in human melanoma, plays a role in tumor development and may be a reliable marker for clinical diagnosis. The organization of HA- and versican-rich pericellular matrices may facilitate migration and mitosis by diminishing cell surface adhesivity and affecting cell shape through steric exclusion and the viscous properties of HA proteoglycan gels.

Synonyms:

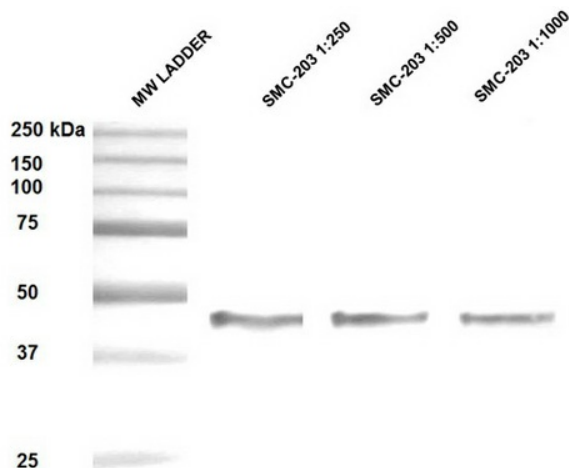
AsTP3; CBP1; CBP2; gp46; HSP47; OI10; PIG14; PPRM; RA-A47; SERPINH2

Note:

Detects a 47kDa protein

Protein Families:

Druggable Genome

Product images:


Western blot of A431 lysates showing the detection of ~47 kDa Hsp47 protein using Anti-Hsp47 antibody [1C4-1A6] (TA326347). Lane 1: MW ladder. Lane 2: Anti-Hsp47 (1:250). Lane 3: Anti-Hsp47 (1:500). Lane 4: Anti-Hsp47 (1:1000). Load: 20 μ A431 per lane. Bl