

Polyclonal Antibody to PTPRE - Aff - Purified

Catalog No.:	15-288-21468
Quantity:	0.1 mg
Concentration:	5.0 mg/ml
Background:	Biglycan is an extracellular matrix proteoglycan that is closely related in structure to decorin and fibromodulin. Biglycan and decorin are thought to be the result of a gene duplication. Biglycan is expressed in secondary myotubes during fetal muscle formation. In adult muscle it is located in the endomysium and neuromuscular junctions, where it connects to the dystrophin-associated proteins through binding to α -dystroglycan. In developing newborn mice biglycan expression is initially high and then decreases during skeletal muscle differentiation and maturation. Biglycan may also have a role in the fibrotic process since it is overexpressed in atherosclerotic lesions and has been shown to cause an increase in thymidine incorporation and migration of vascular smooth muscle cells.
Host / Isotype:	Chicken
Immunogen:	Synthetic peptide corresponding to amino acids 4-17 of the native protein conjugated to KLH AA Sequence: A-S-G-A-D-T-S-G-V-L-D-P-D-S
Format:	State: Liquid Ig fraction Purification: Protein G affinity chromatography Buffer System: PBS, pH 7.2, with 0.09% sodium azide as preservative
Applications:	ELISA: 1/200 in a simple ELISA using 1 μ g of peptide antigen coated per well, with AP conjugated anti-sheep for detection. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognises human Proteoglycan 1 and also reacts with native bovine Proteoglycan 2 (Decorin) in a simple ELISA.
Storage:	Store the antibody undiluted at 2-8°C for up to one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com