

Datasheet for ABIN5540684
anti-Syndecan 2 antibody



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Overview

Quantity:	0.1 mg
Target:	Syndecan 2 (SDC2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Syndecan 2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Purified Human small basement membrane Heparan Sulfate Proteoglycan (HS-PG)
Clone:	2E2-B5
Isotype:	IgG1
Specificity:	This Monoclonal antibody is specific for a core protein epitope of a Human small basement membrane Heparan Sulfate Proteoglycan (HS-PG). AM20231PU recognizes an epitope different from that recognized by clones 1F10/B8 (Cat.No AM02102PU) and 2H7/G11 (Cat.-No AM02103PU). Species: Human.
Purification:	Protein G Chromatography

Target Details

Target:	Syndecan 2 (SDC2)
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Target Details

Alternative Name:	hspg1,syndecan-2 (SDC2 Products)
Background:	The principal molecular structure of basement membranes has been elucidated during the past two decades and it was shown that for example in the glomerular basement membrane (GBM) HS-PG are responsible for the selective filtration process. Removal of HS-PG will lead to proteinuria. Whereas previously perlecan was the only known basement membrane HS-PG, there is now evidence that (at least two) other basement membrane HS-PG do exist: Agrin, originally discovered as an important component of the neuromuscular junction and a novel small HS-PG, that was isolated from human aorta and kidney. This HS-PG, with a molecular weight of 80-200 kDa (aorta) and 30-160 kDa (kidney) and a core protein size of 24 kDa or 22 kDa, respectively, was localized by immunohistochemistry to the basement membrane. Amino acid sequence analysis of tryptic peptides indicate, that this small HS-PG is clearly distinct from perlecan and agrin.
UniProt:	P34741
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	ELISA (less than 1 µg/mL). Western blot (1 µg/mL). Immunohistochemistry (1 µg/mL)
Restrictions:	For Research Use only

Handling

Buffer:	50 mM TRIS pH 7.4
Storage:	4 °C,-20 °C
Storage Comment:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months