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Datasheet for ABIN3022588

## anti-Syndecan 2 antibody (AA 19-144)

5 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	Syndecan 2 (SDC2)
Binding Specificity:	AA 19-144
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Syndecan 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 19-144 of human SDC2 (NP_002989.2).
Sequence:	ESRAELTSDK DMYLDNSSIE EASGVYPIDD DDYASASGSG ADEDVESPEL TTSRPLPKIL L TSAAPKVET TTLNIQNKIP AQTKSPEETD KEKVHLS DSE RKMDPAEEDT N VYTEKHSDS LFKRTE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

### Target Details

Target:	Syndecan 2 (SDC2)
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## Target Details

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Alternative Name: [SDC2 \(SDC2 Products\)](#)

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Background: The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-2 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-2 expression has been detected in several different tumor types.,SDC2,CD362,HSPG,HSPG1,SYND2,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Cytoskeleton,Growth factor,VEGF,Immunology & Inflammation,CD markers,Neuroscience,Cardiovascular,Angiogenesis,SDC2

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Molecular Weight: 22 kDa

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Gene ID: 6383

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UniProt: [P34741](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid freeze / thaw cycles

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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## Publications

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Product cited in:

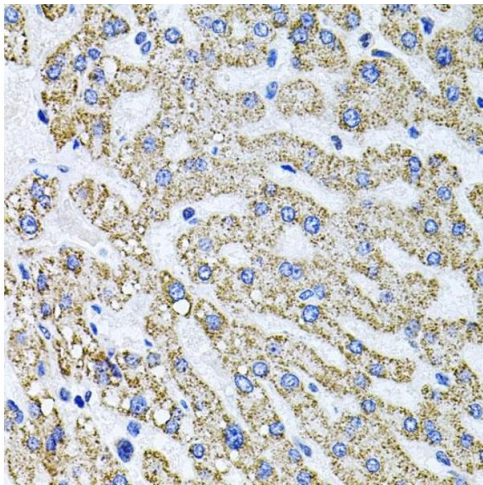
Liu, Chen, Pei, Zhang, Zou, Xiao, Zhou, Chen, Wang: "Decreased H3K9ac level of StAR mediated testicular dysplasia induced by prenatal dexamethasone exposure in male offspring rats." in: **Toxicology**, Vol. 408, pp. 1-10, (2018) ([PubMed](#)).

Zhang, Yao, Xiao, Lan, Yu, Zhang, Jiang, Yang, Pei, Li, Rong, Hu, Li, Xu: "Administration of dexamethasone protects mice against ischemia/reperfusion induced renal injury by suppressing PI3K/AKT signaling." in: **International journal of clinical and experimental pathology**, Vol. 6, Issue 11, pp. 2366-75, (2014) ([PubMed](#)).

Zhang, Li, Wang, Han, Xiao, Lan, Li, Xu, Yao: "Glucocorticoid receptor agonist dexamethasone attenuates renal ischemia/reperfusion injury by up-regulating eNOS/iNOS." in: **Journal of Huazhong University of Science and Technology. Medical sciences = Hua zhong ke ji da xue xue bao. Yi xue Ying De wen ban = Huazhong keji daxue xuebao. Yixue Yingdewen ban**, Vol. 34, Issue 4, pp. 516-520, (2014) ([PubMed](#)).

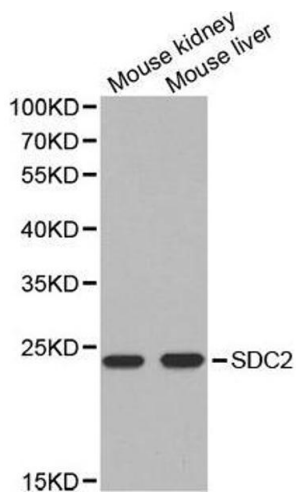
## Images

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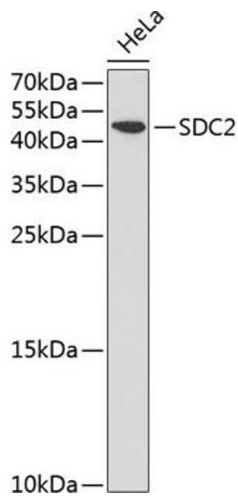
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human liver damage using SDC2 antibody (ABIN3022587, ABIN3022588, ABIN3022589 and ABIN6218928) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using SDC2 antibody.



### Western Blotting

**Image 3.** Western blot analysis of extracts of HeLa cells, using SDC2 antibody (ABIN3022587, ABIN3022588, ABIN3022589 and ABIN6218928) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022588.