

# Product Datasheet

## HSD3B1 Antibody (3C11-D4) - Azide and BSA Free H00003283-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00003283-M01**

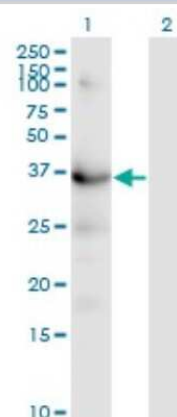
HSD3B1 Antibody (3C11-D4) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 mg   |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.   |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | 3C11-D4  |
| Preservative                | No Preservative  |
| Isotype                     | IgG1 Kappa   |
| Purity                      | IgG purified   |
| Buffer                      | In 1x PBS, pH 7.4  |
| Product Description         |  |
| Description                 | Quality control test: Antibody Reactive Against Recombinant Protein.   |
| Host                        | Mouse  |
| Gene ID                     | 3283   |
| Gene Symbol                 | HSD3B1   |
| Species                     | Human  |
| Marker                      | Trophoblast-associated Marker  |
| Specificity/Sensitivity     | HSD3B1 - hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1  |
| Immunogen                   | HSD3B1 (AAH31999.1, 1 a.a. ~ 373 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MTGWSCLVGTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPPELREEFSKLQNKTKLTVLEGDILDEPFLKACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQQLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPAPYPHSHKKLAEKA<br>VLAANGWNLKNGGTLTYTCALRPMYIYGEGRFLSASINEALNNNGILSSVGKFS<br>TVNPVYVGNVAWAHILALRALQDPKKAPSIRGQFYIISDDTPHQSYDNLNYTSLKEFGLRLDSRWSFPLSLMYWIGFLLIIVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSWEEAKQKTVEWVGSLVDRHKNLKSQTQ |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.   |
| Product Application Details |  |
| Applications                | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Application Notes           | Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.   |

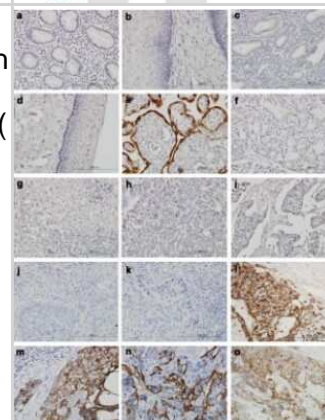


## Images

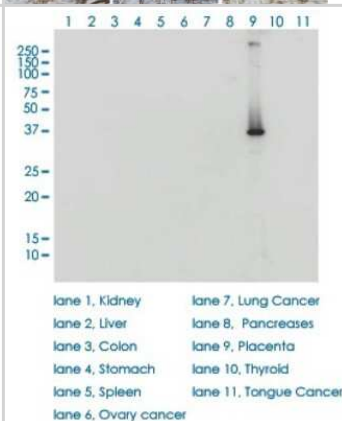
Western Blot: HSD3B1 Antibody (3C11-D4) [H00003283-M01] - Analysis of HSD3B1 expression in transfected 293T cell line by HSD3B1 monoclonal antibody (M01), clone 3C11-D4. Lane 1: HSD3B1 transfected lysate (Predicted MW: 42.3 KDa). Lane 2: Non-transfected lysate.



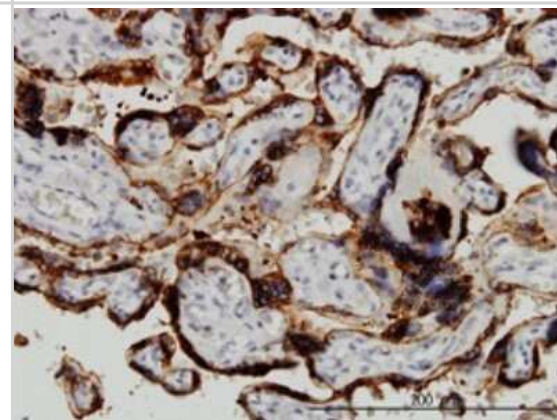
Immunohistochemistry-Paraffin: HSD3B1 Antibody (3C11-D4) [H00003283-M01] - Immunohistochemical staining of various tissues with hematoxylin and HSD3B1 antibody under high magnification. Antibody concentration 3 ug/ml. ( a ) Stomach ( b ) Esophagus ( c ) Endometrium ( d ) Uterine cervix ( e ) Placenta ( f ) Ovary, clear cell carcinoma ( g ) Hepatocellular carcinoma ( h ) Breast cancer ( i ) Colon adenocarcinoma ( j and k ) Cervical carcinoma ( l, m, and n ) Choriocarcinoma ( o ) Epithelioid trophoblastic tumor.



Western Blot: HSD3B1 Antibody (3C11-D4) [H00003283-M01] - HSD3B1 monoclonal antibody (M01), clone 3C11-D4. Analysis of HSD3B1 expression in human placenta.



Immunohistochemistry-Paraffin: HSD3B1 Antibody (3C11-D4) [H00003283-M01] - Analysis of monoclonal antibody to HSD3B1 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml.



## Publications

Xing, D;Zheng, G;Pallavajjala, A;Schoolmeester, JK;Liu, Y;Haley, LM;Hu, Y;Liu, L;Logan, LS;Lin, Y;Pearce, KE;Sattler, CA;Tsai, YC;Vang, R;Hung, CF;Wu, TC;Ronnett, BM; Lineage-specific alterations in gynecologic neoplasms with choriocarcinomatous differentiation: implications for origin and therapeutics Clin. Cancer Res. 2019-04-22 [PMID: 31010836] (IHC-P, Human)

Ito A, Yamazaki Y, Sasano H et al. A case of primary aldosteronism caused by unilateral multiple adrenocortical micronodules presenting as muscle cramps at rest: The importance of functional histopathology for identifying a culprit lesion. Pathol Int 2017-03-05 [PMID: 28261922]

Kubota F, Nakamura Y, Konosu-Fukaya S et al. Expression of steroidogenic enzymes and their transcription factors in cortisol-producing adrenocortical adenomas: immunohistochemical analysis and quantitative RT-PCR studies. Hum Pathol 2016-04-13 [PMID: 27085553]

Mao TL, Shih IM. Advances in the diagnosis of gestational trophoblastic tumors and tumor-like lesions. Expert Opin. Med. Diagn. 2009-01-01 [PMID: 23485206]

Ariel I, Boldes R, Weintraub A et al. Chorangiocarcinoma: A Case Report and Review of the Literature. Int J Gynecol Pathol. 2009-05-01 [PMID: 19620945]

Azmahani A, Nakamura Y, Felizola SJ et al. Steroidogenic enzymes, their related transcription factors and nuclear receptors in human sebaceous glands under normal and pathological conditions. J Steroid Biochem Mol Biol. 2014-07-29 [PMID: 25090634]

Mao TL, Kurman RJ, Jeng YM et al. HSD3B1 as a novel trophoblast-associated marker that assists in the differential diagnosis of trophoblastic tumors tumorlike lesions. Am J Surg Pathol;32(2):236-42. 2008-02-01 [PMID: 18223326]

Shih IM. Trophogram, anIHC-based algorithmic approach, in the differential diagnosis of trophoblastic tumors tumorlike lesions. Ann Diagn Pathol;11(3):228-34. 2007-06-01 [PMID: 17498600]





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### **Products Related to H00003283-M01**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-33386PEP    | HSD3B1 Recombinant Protein Antigen                      |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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