

# Product Datasheet

## Annexin A3 Antibody (4F1) - Azide and BSA Free H00000306-M12

Unit Size: 0.1 mg

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

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**H00000306-M12**

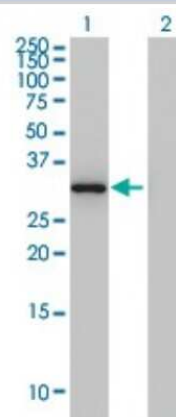
Annexin A3 Antibody (4F1) - Azide and BSA Free

| 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                       | 4F1   |
| 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                     | 306   |
| Gene Symbol                 | ANXA3   |
| Species                     | Human, Mouse  |
| Specificity/Sensitivity     | ANXA3 (4F1)   |
| Immunogen                   | ANXA3 (AAH00871, 1 a.a. ~ 323 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MASIWVGHRGTVRDYPDFSPSVDAEAIQKAIRGIGTDEKMLISILTERSNAQRQL<br>IVKEYQAAYGKELKDDLKGDLSGHFEHLMVALVTPPAVFDKQLKKSMKGAGT<br>NEDALIEILTTTRTSRQMKDISQAYYTVYKKS LGDDISSETSGDFRKALLTLADGR<br>RDESLKVDEHLAKQDAQILYKAGENRWGTDEDKFTEILCLRSFPQLKLTDFEYR<br>NISQKDIVDSIKGELSGHFEDLLLAIVNCVRNTPAFLAERLHRALKGIGTDEFTLN<br>RIMVSRSEIDLLDIRTEFKKHYGYSLSAISKSDTSGDYEITLLKICGGDD |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.  |
| Product Application Details |   |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated   |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Knockdown Validated   |
| Application Notes           | Antibody reactivity against transfected lysate and recombinant protein for WB. It has been used for RNAi Validation and ELISA.  |

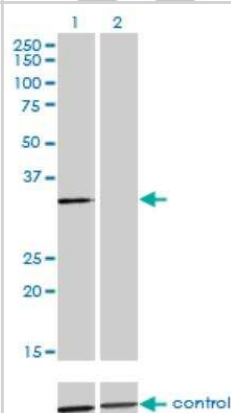


## Images

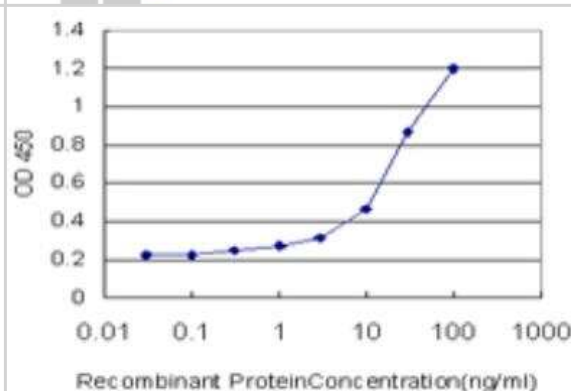
Western Blot: Annexin A3 Antibody (4F1) [H00000306-M12] - Analysis of ANXA3 expression in transfected 293T cell line by ANXA3 monoclonal antibody (M12), clone 4F1. Lane 1: ANXA3 transfected lysate (37.145 KDa). Lane 2: Non-transfected lysate.



Western Blot: Annexin A3 Antibody (4F1) [H00000306-M12] - Western blot analysis of ANXA3 over-expressed 293 cell line. Lane 2 cotransfected with ANXA3 Validated Chimera RNAi Lane 1 non-transfected control. Blot probed with H00000306-M12. GAPDH (36.1 kDa) used as loading control.



ELISA: Annexin A3 Antibody (4F1) [H00000306-M12] - Detection limit for recombinant GST tagged ANXA3 is approximately 1ng/ml as a capture antibody.



## Publications

Hojun K, Sungwook P, In J et al. Noninvasive Precision Screening of Prostate Cancer by Urinary Multimarker Sensor and Artificial Intelligence Analysis. ACS Nano. 2020-12-09 [PMID: 33296173]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Cao DL, Ye DW, Zhang HL et al. A multiplex model of combining gene-based, protein-based, and metabolite-based with positive and negative markers in urine for the early diagnosis of prostate cancer. Prostate 2010-10-18 [PMID: 20957673]

Watanabe T, Ito Y, Sato A et al. Annexin A3 as a Negative Regulator of Adipocyte Differentiation. J Biochem. 2012-08-09 [PMID: 2288117]



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### **Products Related to H00000306-M12**

|                  |   |
|------------------|---|
| 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)           |
| NBP1-90155PEP    | Annexin A3 Recombinant Protein Antigen                  |

### **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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