Product Datasheet

FBXW7/Cdc4 Antibody (3D1) - Azide and BSA Free
H00055294-M02

Unit Size: 0.1 mg

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

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Publications: 14

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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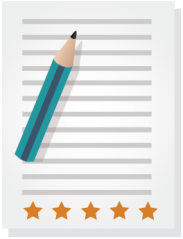
Updated 2/21/2025 v.20.1



H00055294-M02

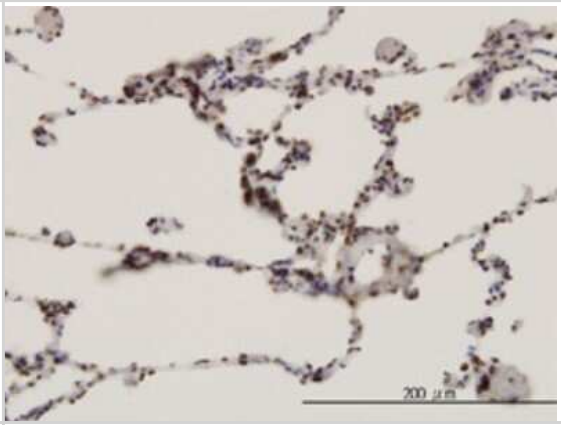
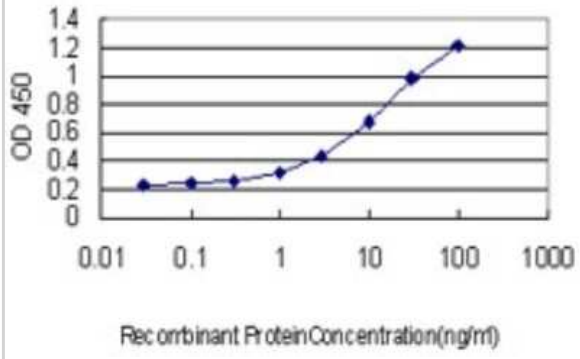
FBXW7/Cdc4 Antibody (3D1) - Azide and BSA Free

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	3D1
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Host	Mouse
Gene ID	55294
Gene Symbol	FBXW7
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	FBXW7 - F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila)
Immunogen	FBXW7 (NP_361014, 599 a.a. ~ 707 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. ADSTVKIWDIKTGQCLQTLQGPNKHQSAVTCLQFNKNFVITSSDDGTVKLWDL KTGEFIRNLVTLESGGSGGVVWRIRASNTKLVCAVGSRNGTEETKLLVLDFDVD MK
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, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactive against recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA.

Images

Immunohistochemistry-Paraffin: FBXW7/Cdc4 Antibody (3D1) [H00055294-M02] - Analysis of monoclonal antibody to FBXW7 on formalin-fixed paraffin-embedded human lung. Antibody concentration 3 ug/ml.	
Sandwich ELISA: FBXW7/Cdc4 Antibody (3D1) [H00055294-M02] - Detection limit for recombinant GST tagged FBXW7 is approximately 0.1ng/ml as a capture antibody.	

Publications

Chan D, Mandal A, Collins S et al. Mutational order and epistasis determine the consequences ofFBXW7mutations during colorectal cancer evolution bioRxiv 2023-08-28 (ICC/IF, Human)

Su Y, Tairan G, Fen Z et al. Fbw7 Inhibits the Progression of Activated B-Cell Like Diffuse Large B-Cell Lymphoma by Targeting the Positive Feedback Loop of the LDHA/lactate/miR-223 Axis. Front Oncol. 2022-03-10 [PMID: 35359405]

Hatem E, Kensuke Y, Toshihiko Y et al. MicroRNA-25 Exerts an Oncogenic Function by Regulating the Ubiquitin Ligase Fbxw7 in Hepatocellular Carcinoma. Ann Surg Oncol. 2021-04-22 [PMID: 33886022]

Chan DKH, Collins SD, Buczacki SJA Generation and immunofluorescent validation of gene knockouts in adult human colonic organoids using multi-guide RNA CRISPR-Cas9 STAR protocols 2023-01-03 [PMID: 36598849] (WB, Human)

Koga Y, Iwatsuki M, Yamashita K et al. The role of FBXW7, a cell-cycle regulator, as a predictive marker of recurrence of gastrointestinal stromal tumors. Gastric Cancer. 2019-03-11 [PMID: 30854619]

Arita H, Nagata M, Yoshida R et al. FBXW7 expression affects the response to chemoradiotherapy and overall survival among patients with oral squamous cell carcinoma: A single-center retrospective study. Tumour Biol 2017-10-26 [PMID: 29072128]

Dickson EL, Vogel R, Leung S et al. FBxW7 as a predictor of outcomes in ovarian cancer. J Am Coll Surg 2014-09-01 (IF/IHC, Human)

Yao S, Xu F, Chen Y et al. Fbw7 regulates apoptosis in activated B-cell like diffuse large B-cell lymphoma by targeting Stat3 for ubiquitylation and degradation. J Exp Clin Cancer Res 2017-01-10 [PMID: 28069035]

Hua J, Ding T, Yang L. Dysfunction of microRNA-32 regulates ubiquitin ligase FBXW7 in multiple myeloma disease. Onco Targets Ther 2016-10-25 [PMID: 27822062]

Dickson EL, Vogel R, Leung S et al. FBxW7 as a predictor of outcomes in ovarian cancer. Journal of the American College of Surgeons 2013-01-01 [PMID: 25526310]

Enchev RI, Scott DC, da Fonseca PC et al. Structural Basis for a Reciprocal Regulation between SCF and CSN. Cell Rep. 2012-09-05 [PMID: 22959436]

Yokobori T, Yokoyama Y, Mogi A et al. FBXW7 Mediates Chemotherapeutic Sensitivity and Prognosis in NSCLC. Mol Cancer Res. 2013-10-28 [PMID: 24165483]

More publications at http://www.novusbio.com/H00055294-M02

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