

Product Datasheet

HOXB7 Antibody (4C6) - Azide and BSA Free H00003217-M03

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00003217-M03

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00003217-M03



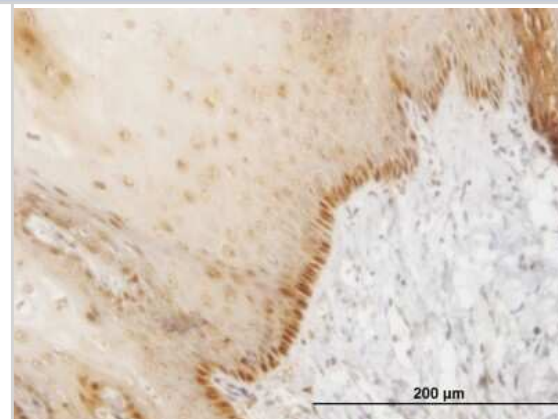
H00003217-M03

HOXB7 Antibody (4C6) - Azide and BSA Free

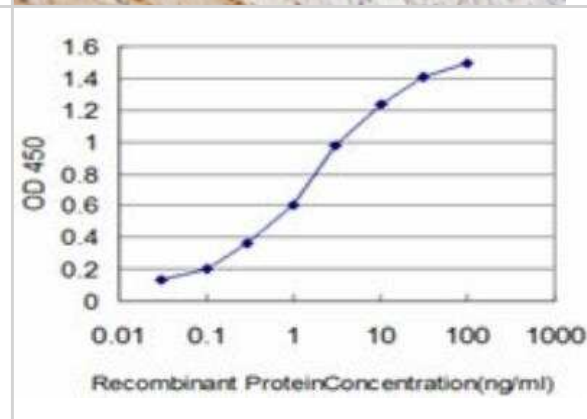
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4C6
Preservative	No Preservative
Isotype	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	3217
Gene Symbol	HOXB7
Species	Human, Rabbit
Specificity/Sensitivity	HOXB7 - homeobox B7
Immunogen	HOXB7 (NP_004493, 55 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MQGLYPGGGGMAGQSAAGVYAAGYGLEPSSFNMHCAPFEQNLSGVCPGDS AKAAGAKEQRDSDLAA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Functional, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Functional
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control. It has been used for IHC-P. Use in Immunohistochemistry reported in scientific literature (PMID: 22914903).

Images

Immunohistochemistry-Paraffin: HOXB7 Antibody (4C6) [H00003217-M03] - Analysis of monoclonal antibody to HOXB7 on formalin-fixed paraffin-embedded human esophagus. Antibody concentration 1.5 ug/ml



ELISA: HOXB7 Antibody (4C6) [H00003217-M03] - Detection limit for recombinant GST tagged HOXB7 is approximately 0.03ng/ml as a capture antibody.



Publications

Zhao H, Li X, Guan W et al. Impact of co-blocking the costimulatory signals on immune-related genes after high-risk rabbit corneal allograft using 2nd-generation DNA sequencing technology. *Genet Mol Biol.* 2019-07-18 [PMID: 31323080]

Xiang W, Jin L, Tingyuan Y et al. HOXB7 acts as an oncogenic biomarker in head and neck squamous cell carcinoma. *Cancer Cell Int.* 2021-07-24 [PMID: 34303375]

Zhenfeng S, Hao Z, Situ J et al. Long non-coding RNA SNHG8 promotes prostate cancer progression through repressing miR-384 and up-regulating HOXB7. *J Gene Med.* 2021-01-15 [PMID: 33450101]

Zhou T, Fu H, Dong B et al. HOXB7 mediates cisplatin resistance in esophageal squamous cell carcinoma through involvement of DNA damage repair. *Thorac Cancer.* 2019-09-30 [PMID: 31568655]

Dai L, Hu W, Yang Z et al. Upregulated expression of HOXB7 in intrahepatic cholangiocarcinoma is associated with tumor cell metastasis and poor prognosis. *Lab Invest.* 2019-05-03 [PMID: 30664713]

Kraiklang R, Pairojkul C, Khuntikeo N et al. A novel predictive equation for potential diagnosis of cholangiocarcinoma. *PLoS One.* 2014-02-28 [PMID: 24586698]

Hui Li, Lu-Yan Shen, Wan-Pu Yan et al. Deregulated HOXB7 Expression Predicts Poor Prognosis of Patients with Esophageal Squamous Cell Carcinoma and Regulates Cancer Cell Proliferation In Vitro and In Vivo. *PLoS One.* 2015-06-15 [PMID: 26076456]

Nguyen Kovoichich A, Arensman Met al. HOXB7 promotes invasion and predicts survival in pancreatic adenocarcinoma. *Cancer* 2013-02-01 [PMID: 22914903] (IF/IHC, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00003217-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00003217-Q01-10ug	Recombinant Human HOXB7 GST (N-Term) Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00003217-M03

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

