

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.

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H00003217-M03

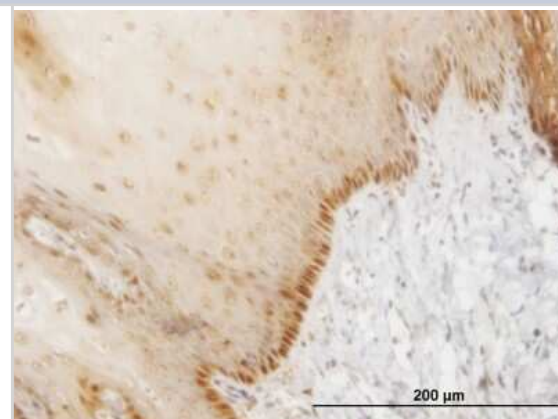
HOXB7 Antibody (4C6) - Azide and BSA Free

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, ELISA, Functional, Immunohistochemistry, Immunohistochemistry-Paraffin
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).

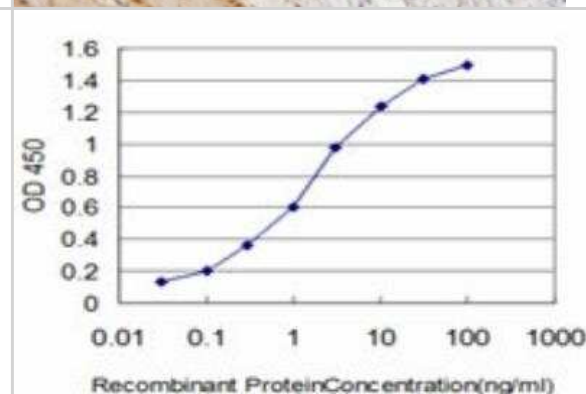


Images

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



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Products Related to H00003217-M03

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)
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.

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