

# Product Datasheet

## BP1 Antibody (1F11) - Azide and BSA Free H00001748-M01

Unit Size: 0.1 mg

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

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**H00001748-M01**

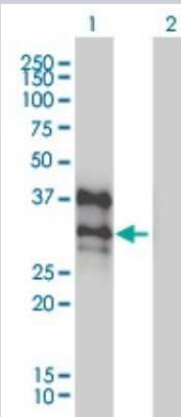
BP1 Antibody (1F11) - Azide and BSA Free

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	1F11
Preservative	No Preservative
Isotype	IgG2a 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	1748
Gene Symbol	DLX4
Species	Human
Specificity/Sensitivity	DLX4 - distal-less homeobox 4
Immunogen	DLX4 (AAH16145, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MTSLPCPLPGRDASKAVFPDLAPVPSVAAAYPLGLSPTTAASPNLSYSRPYGH LLSYPYTEPANPGDSYLSCQQPAALSQPLCGPAEHPQELEADSEK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Application Notes	Antibody reactivity against transfected lysate and recombinant protein for WB. It has been used for RNAi Validation and ELISA.

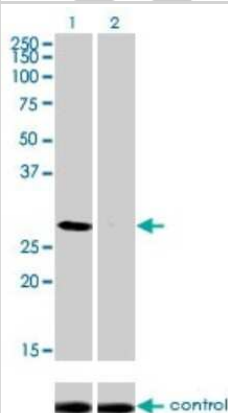


## Images

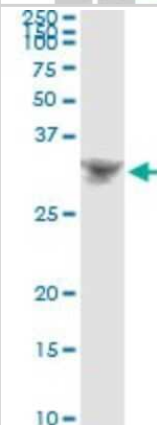
Western Blot: BP1 Antibody (1F11) [H00001748-M01] - Analysis of DLX4 expression in transfected 293T cell line by DLX4 monoclonal antibody (M01), clone 1F11. Lane 1: DLX4 transfected lysate(26 KDa). Lane 2: Non-transfected lysate.



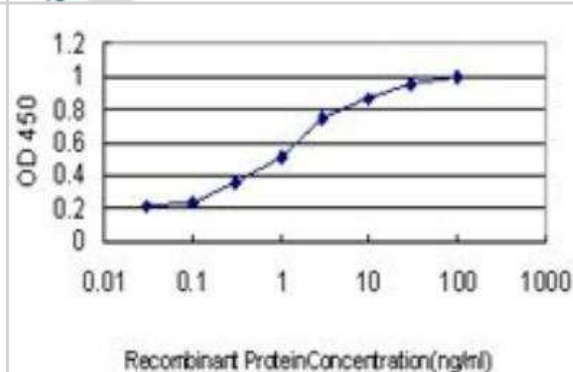
Western Blot: BP1 Antibody (1F11) [H00001748-M01] - Analysis of DLX4 over-expressed 293 cell line, cotransfected with DLX4 Validated Chimera RNAi ( Cat # H00001748-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DLX4 monoclonal antibody (M01), clone 1F11 (Cat # H00001748-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Immunoprecipitation: BP1 Antibody (1F11) [H00001748-M01] - Analysis of DLX4 transfected lysate using anti-DLX4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with DLX4 MaxPab rabbit polyclonal antibody.



ELISA: BP1 Antibody (1F11) [H00001748-M01] - Detection limit for recombinant GST tagged DLX4 is approximately 0.03ng/ml as a capture antibody.



## Publications

Trinh BQ, Barengo N, Naora H. Homeodomain protein DLX4 counteracts key transcriptional control mechanisms of the TGF- $\beta$  cyostatic program and blocks the antiproliferative effect of TGF- $\beta$ . *Oncogene*. 2011-02-07 [PMID: 21297662]

Wu D, Mandal S, Choi A et al. DLX4 is associated with orofacial clefting and abnormal jaw development. *Hum Mol Genet*. 2015-05-07 [PMID: 25954033]

Hara F, Samuel S, Liu J et al. A homeobox gene related to *Drosophila* distal-less promotes ovarian tumorigenicity by inducing expression of vascular endothelial growth factor fibroblast growth factor-2. *Am J Pathol*;170(5):1594-606. 2007-05-01 [PMID: 17456765]





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### **Products Related to H00001748-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-34130PEP	BP1 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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