

Product Datasheet

TCF4 Antibody (1G4) - Azide and BSA Free H00006925-M03

Unit Size: 0.1 mg

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

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H00006925-M03

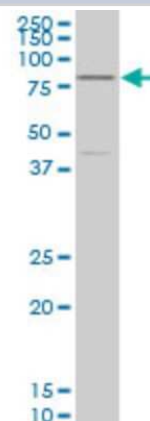
TCF4 Antibody (1G4) - Azide and BSA Free

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	1G4
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	6925
Gene Symbol	TCF4
Species	Human, Mouse, Rat, Monkey, Rabbit
Reactivity Notes	Rat reactivity reported in customer review. Rabbit reactivity reported in scientific literature (PMID: 29940337).
Specificity/Sensitivity	TCF4 (1G4)
Immunogen	TCF4 (AAH31056.1, 1 a.a. ~ 365 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MHHQQRMAALGTDKELSDLLDFSAMFSPVSSGKNGPTSLASGHFTGSNVED RSSSGSWGNGGHPSPSRNYGDGTPYDHTTSRDLGSHDNLSPPFVNSRIQSKT ERGSYSSYGRESNLQGCHQQSLLGGDMDMGNPGTLPSTKPGSQYYQYSSNN PRRRPLHSSAMEVQTKKVRKVPPGLPSSVYAPSASTADYNRDSPGYPSSKPA TSTFPSSFFMQDGHHSDDPWSSSSGMNQPGYAGMLGNSSHIPQSSSYCSLH PHERLSYPSHSSADINSSLPPMSTFHRSGTNHYSTSSCTPPANGTDSIMANRG SGAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPSLSAGTAVWSR N
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, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	This antibody reactivity against cell lysate and recombinant protein for WB. It has been useful for IF and ELISA.

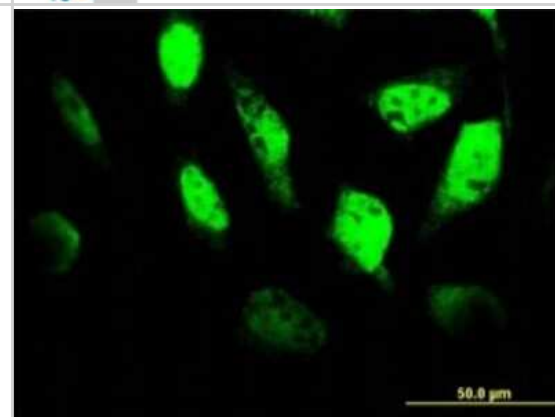


Images

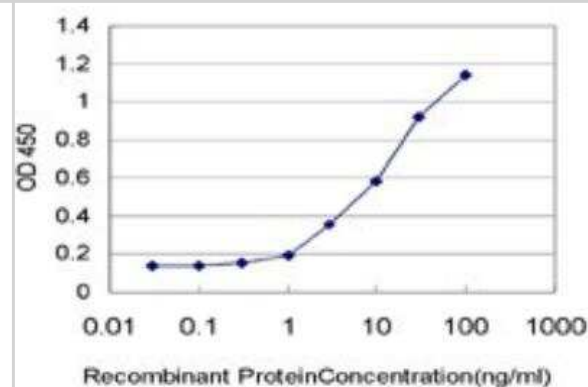
Western Blot: TCF4 Antibody (1G4) [H00006925-M03] - Analysis of TCF4 expression in K-562 (Cat # L009V1).



Immunocytochemistry/Immunofluorescence: TCF4 Antibody (1G4) [H00006925-M03] - Analysis of monoclonal antibody to TCF4 on HeLa cell. Antibody concentration 10 ug/ml



ELISA: TCF4 Antibody (1G4) [H00006925-M03] - Detection limit for recombinant GST tagged TCF4 is approximately 1ng/ml as a capture antibody.



Publications

Huang P, Zhou Q, Lin Q, Lin L et al. Complement C3a induces axonal hypomyelination in the periventricular white matter through activation of WNT/ β -catenin signal pathway in septic neonatal rats experimentally induced by lipopolysaccharide Brain Pathol 2019-10-18 [PMID: 31622511]

Simone M, Reinier B, Marten S et al. Tcf4 Encodes Correct Brain Development During Embryogenesis. Mol Cell Neurosci. 2020-05-28 [PMID: 32474139]

Ruiz de Garibay G, Mateo F, Stradella A et al. Tumor xenograft modeling identifies an association between TCF4 loss and breast cancer chemoresistance. Dis Model Mech 2018-05-18 [PMID: 29666142]

Dohare P, Cheng B, Ahmed E et al. Glycogen synthase kinase-3b inhibition enhances myelination in preterm newborns with intraventricular hemorrhage, but not recombinant Wnt3A Neurobiol. Dis. 2018-06-22 [PMID: 29940337] (Rabbit)

Xia H, Jahr FM, Kim NK et al. Building a schizophrenia genetic network: Transcription Factor 4 regulates genes involved in neuronal development and schizophrenia risk Hum. Mol. Genet. 2018-06-14 [PMID: 29905862] (Human)

Luo C, Lim JH, Lee Y et al. A PGC1 α -mediated transcriptional axis suppresses melanoma metastasis. Nature 2016-08-31 [PMID: 27580028]

Forrest MP, Waite AJ, Martin-Rendon E, Blake DJ. Knockdown of Human TCF4 Affects Multiple Signaling Pathways Involved in Cell Survival, Epithelial to Mesenchymal Transition and Neuronal Differentiation PLoS One. 2013-08-23 [PMID: 24058414]

Tanaka A, Itoh F, Nishiyama K. Inhibition of endothelial cell activation by bHLH protein E2-2 and its impairment of angiogenesis. Blood 115(20):4138-47. 2010-05-20 [PMID: 20231428]





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Products Related to H00006925-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)
H00006925-P01-25ug	Recombinant Human TCF4 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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