

Nur für Forschungszwecke

TCF4 Polyklonaler Antikörper

Katalog-Nr.: 22337-1-AP

Vorgestelltes Produkt

35 Publikationen



Allgemeine Informationen

Katalog-Nr.: 22337-1-AP	GenBank-Zugangsnummer: BC125084	Reinigungsmethode: Antigen-affinitätsgereinigt
Größe: 150ul, Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 6925	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: transcription factor 4	IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 671 aa, 72 kDa	
Immunogen Katalognummer: AG17813	Beobachtete Masse: 72 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB: Caco-2-Zellen, K-562-Zellen
In Publikationen genannte Anwendungen: ChIP, CoIP, IF, IHC, IP, WB	IP: Mauslungengewebe,
Getestete Reaktivität: Human	IHC: humanes Hodengewebe, Maushirngewebe
Zitierte Arten: Drosophila, Human	IF: Maus-Skelettmuskelgewebe,

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

Transcription factor 4 (TCF4), also known as SEF2, ITF2, E2-2, and ME2, binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-ISR) to activate transcription. By similarity. Human TCF4 mRNA expression is particularly high in the brain. Usage of numerous 5' exons of the human TCF4 gene potentially yields in TCF4 protein isoforms with 18 different N-termini. In addition, the diversity of isoforms is increased by alternative splicing of several internal exons. Some isoforms contain a bipartite nuclear localization signal and are exclusively nuclear, whereas distribution of other isoforms relies on heterodimerization partners. Preferentially binds to either 5'-ACANNTGT-3' or 5'-CCANNTGG-3'. TCF4 has several splicing isoforms that are expressed differentially in tissues and during cancer progression (15547706, 12796377). The scope of molecular weight of several isoforms is about 60-90 kDa (21789225).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qiuzhen Wang	36232509	Int J Mol Sci	WB
Yi-Fan Tan	36127329	Cell Death Discov	CoIP, WB
Han Xiao	31572009	Cancer Manag Res	WB

Lagerung

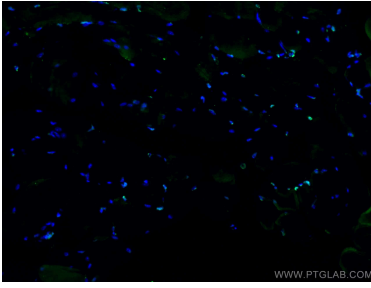
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

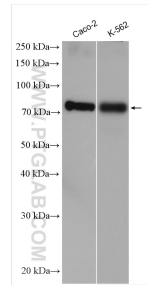
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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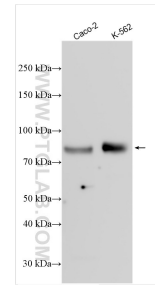
Ausgewählte Validierungsdaten



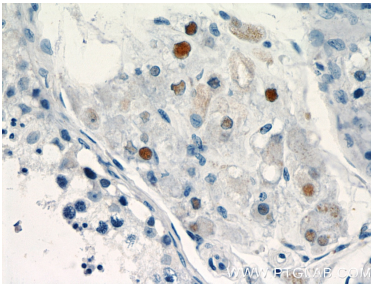
Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using 22337-1-AP (TCF4 antibody) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



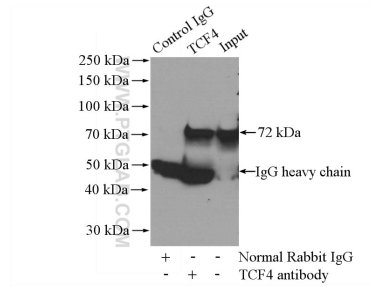
Various lysates were subjected to SDS PAGE followed by western blot with 22337-1-AP (TCF4 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 22337-1-AP (TCF4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis slide using 22337-1-AP (TCF4 Antibody) at dilution of 1:200.



IP Result of anti-TCF4 (IP:22337-1-AP, 4ug; Detection:22337-1-AP 1:500) with mouse lung tissue lysate 4000ug.