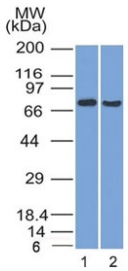
TCF4 Antibody [clone TCF4/1705] (V3887)

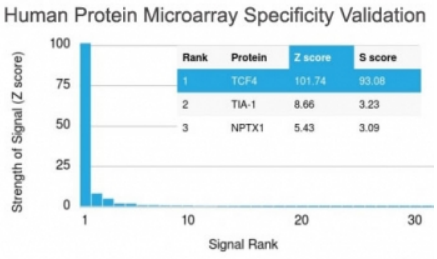
Catalog No.	Formulation	Size
V3887-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3887-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3887SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

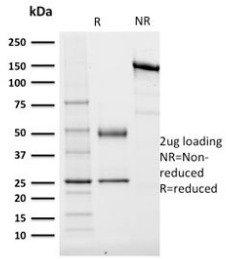
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	TCF4/1705
Purity	Protein G affinity chromatography
UniProt	P15884
Localization	Nuclear
Applications	ELISA : 2-4ug/ml (order BSA/azide-free format) Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This TCF4 antibody is available for research use only.



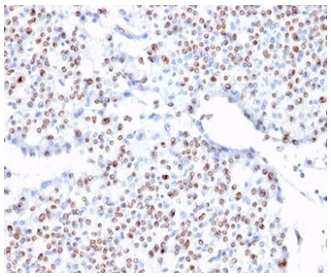
Western blot testing of human 1) HeLa and 2) HepG2 cell lysate with TCF4 antibody (clone TCF4/1705). Predicted molecular weight ~71 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using TCF4 antibody (clone TCF4/1705). These results demonstrate the foremost specificity of the TCF4/1705 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free TCF4 antibody (clone TCF4/1705) as confirmation of integrity and purity.



IHC staining of FFPE human bladder with TCF4 antibody (clone TCF4/1705). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Recognizes a protein of 71kDa, identified as Transcription Factor 4 (TCF4). It is a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome.

Application Notes

Optimal dilution of the TCF4 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 365-671 from the human protein was used as the immunogen for this TCF4 antibody.

Storage

Store the TCF4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).