TCF4 (Transcription Factor 4) Antibody

Mouse Monoclonal Antibody [Clone TCF4/1705]

Catalog No	Format	Size
6925-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6925-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6925-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

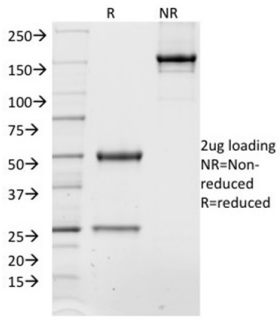
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

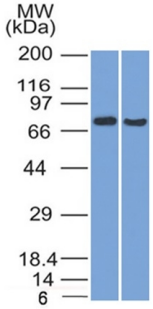
Clone	TCF4/1705
Gene Name	TCF4
Immunogen	Recombinant human TCF4 protein fragment (around aa 365-671) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	60kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	colon or tonsil., HeLa or HepG2 cells. Human bladder

**Optimal dilution for a specific application should be determined.*

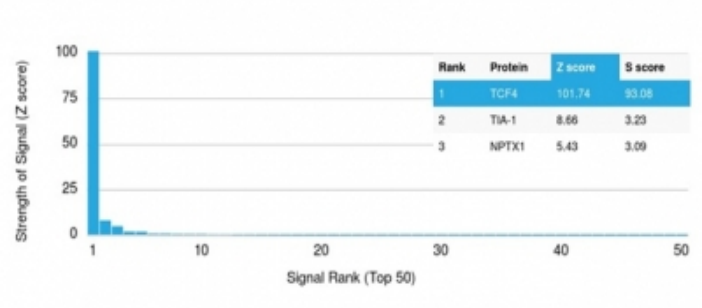
Product Images for TCF4 (Transcription Factor 4) Antibody



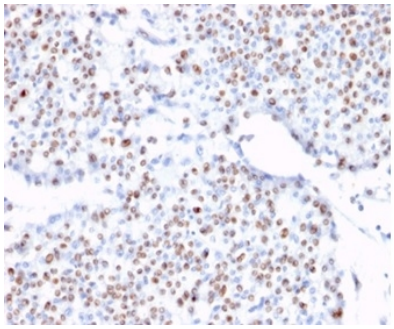
SDS-PAGE Analysis of Purified TCF4 Mouse Monoclonal Antibody (TCF4/1705). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of 1) HeLa and (2) HepG2 cell lysates using TCF4 Mouse Monoclonal Antibody (TCF4/1705).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TCF4-Monospecific Mouse Monoclonal Antibody (TCF4/1705). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human bladder stained with TCF4 Mouse Monoclonal Antibody (TCF4/1705) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Colon Cancer, Developmental Biology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.