USF2 Antibody

Mouse Monoclonal Antibody [Clone PCRP-USF2-1A7]

Catalog No	Format	Size
7392-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7392-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7392-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

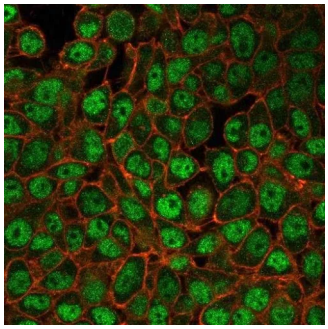
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

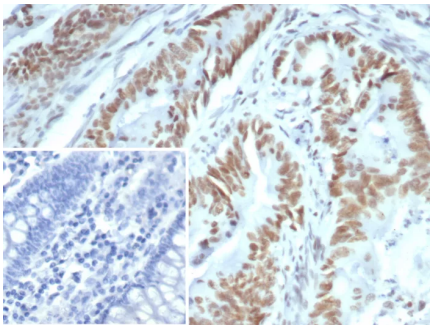
Clone	PCRP-USF2-1A7
Gene Name	USF2
Immunogen	Recombinant fragment (aa220-346) of human USF2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	44kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa cells.

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

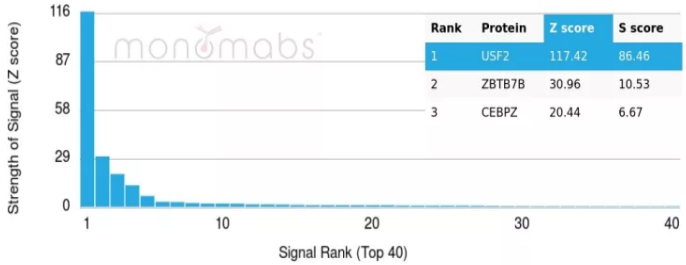
Product Images for USF2 Antibody



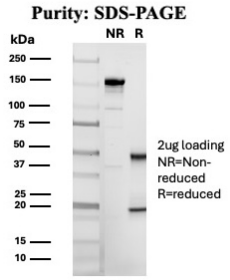
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using USF2 Mouse Monoclonal Antibody (PCRP-USF2-1A7) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



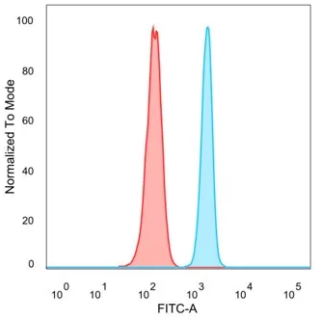
Formalin-fixed, paraffin-embedded human colon cancer stained with USF2 Mouse Monoclonal Antibody (PCRP-USF2-1A7). Inset: PBS instead of primary antibody; secondary only negative control.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing USF2 Mouse Monoclonal Antibody (PCRP-USF2-1A7). 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.



SDS-PAGE Analysis of Purified USF2 Mouse Monoclonal Antibody(PCRP-USF2-1A7). Confirmation of Purity and Integrity of Antibody.



Flow cytometric analysis of PFA-fixed HeLa cells. USF2 Mouse Monoclonal Antibody (PCRP-USF2-1A7) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The ubiquitously expressed cellular upstream stimulatory factor (USF) consists of USF-1 and USF-2 polypeptides which independently exhibit site-specific DNA binding and are members of the c-Myc-related family of regulatory factors containing helix-loop-helix domains. USF also contains a leucine repeat that is required for efficient DNA binding. USF was originally identified as an upstream stimulatory factor that binds the core sequence CACGTG in the adenovirus late promoter. These findings, together with the demonstration of cooperative interaction between USF and the initiatorbinding protein, TFII-I, raises the possibility of a more general involvement of USF in transcriptional regulation. While expression of both USF-1 and USF-2 species is ubiquitous, different ratios of USF homo- and heterodimers are found in different cell types.

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

Nuclear Marker, Signal Transduction

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.