GTF2H2C (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-GTF2H2C-2C9]

Catalog No	Format	Size
730394-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
730394-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
730394-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

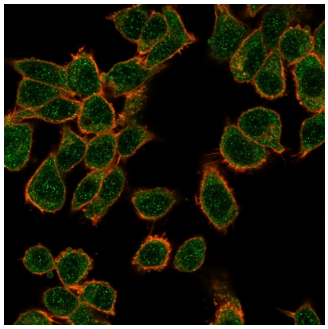
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

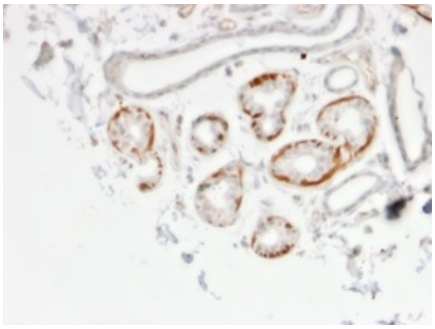
Clone	PCRP-GTF2H2C-2C9
Gene Name	GTF2H2C, GTF2H2C_2
Immunogen	Recombinant full-length human GTF2H2C protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c
Mol. Weight of Antigen	44kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or Raji cells. Human breast or prostate carcinoma.

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

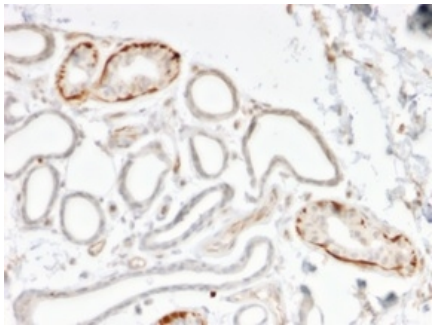
Product Images for GTF2H2C (Transcription Factor) Antibody



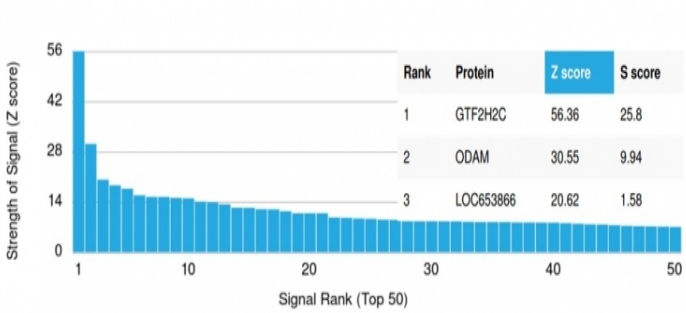
Immunofluorescence analysis of PFA-fixed HeLa cells. GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9) followed by goat anti-mouse IgG-CF488 (green); phalloidin (red).



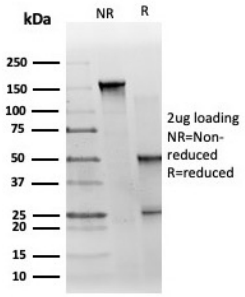
Formalin-fixed, paraffin-embedded human breast carcinoma stained with GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9).



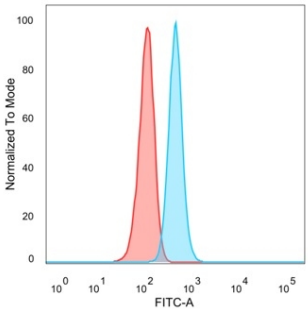
Formalin-fixed, paraffin-embedded human breast carcinoma stained with GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9). 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 AnalysisPurified GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9).Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. GTF2H2C Mouse Monoclonal Antibody (PCRP-GTF2H2C-2C9) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

Initiation of transcription from protein-coding genes in eukaryotes is a complex process that requires RNA polymerase II, as well as families of basal transcription factors. Binding of the factor TFIID (TBP) to the TATA box is believed to be the first step in the formation of a multiprotein complex containing several additional factors, including TFIIA, TFIIB, TFIIE, TFIIF and TFIIH. TFIIH (or BTF2) is a multisubunit transcription/DNA repair factor that possesses several enzymatic activities. The core of TFIIH is composed of five subunits, designated p89 (XPB or ERCC3), p62, p52, p44 and p34. Additional subunits of the TFIIH complex are p80 (XPD or ERCC2) and the ternary kinase complex composed of Cdk7, cyclin H and MAT1. Both p89 and p80 have ATP-dependent helicase activity. The p62, p52 and p44 subunits have been shown to be involved in nucleotide excision repair.

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.

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.