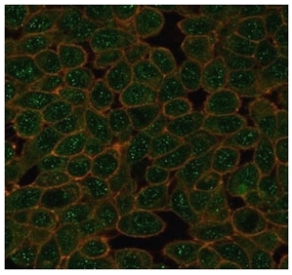
GTF2A1 Antibody / TFIIA [clone PCRP-GTF2A1-1F2] (V9649)

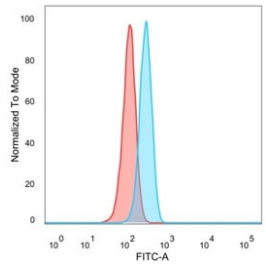
Catalog No.	Formulation	Size
V9649-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9649-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9649SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

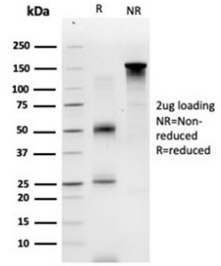
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-GTF2A1-1F2
Purity	Protein A/G affinity
UniProt	P52655
Localization	Nucleus, cytoplasm
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This GTF2A1 antibody is available for research use only.



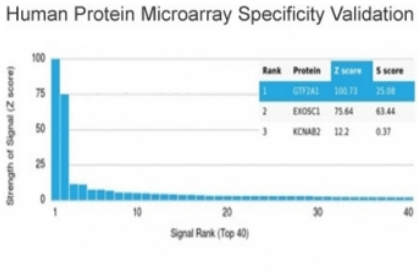
Immunofluorescent staining of PFA-fixed human HeLa cells using GTF2A1 antibody (green, clone PCRP-GTF2A1-1F2) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with GTF2A1 antibody (blue, clone PCRP-GTF2A1-1F2) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free GTF2A1 antibody (clone PCRP-GTF2A1-1F2) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using GTF2A1 antibody (clone PCRP-GTF2A1-1F2). These results demonstrate the foremost specificity of the PCRP-GTF2A1-1F2 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.

Description

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 formation of the preinitiation complex (PIC) which contains several additional factors, including TFIIA, TFIIB, TFIIE, TFIIF and TFIIH. Recognition of the TATA binding element by TBP may be regulated by TFIIA. TFIIA consists of three subunits designated TFIIA-, all of which associate with both TBP and TAF (TBP-associated factor). TFIIA functions to stabilize the interaction between TFIID and DNA by binding directly to TBP and the DNA (at the TATA box), thus forming a TBP/TFIIA/TATA complex which mediates the transcriptional output of a gene.

Application Notes

Optimal dilution of the GTF2A1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the GTF2A1 antibody.

Storage

Aliquot the GTF2A1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.