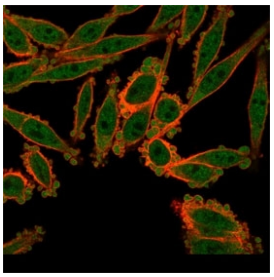
ZBED1 Antibody / DREF [clone PCRP-ZBED1-1E1] (V9255)

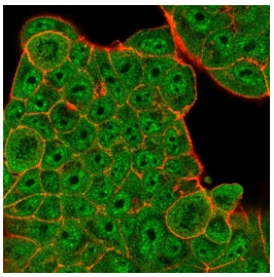
Catalog No.	Formulation	Size
V9255-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9255-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9255SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

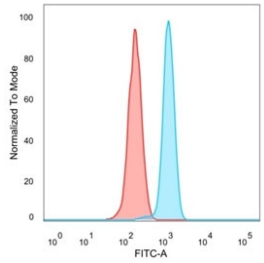
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-ZBED1-1E1
Purity	Protein A/G affinity
UniProt	O96006
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This ZBED1 antibody is available for research use only.



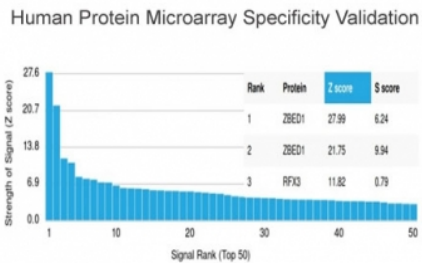
Immunofluorescent staining of PFA-fixed human HeLa cells using ZBED1 antibody (green, clone PCRP-ZBED1-1E1) and phalloidin (red).



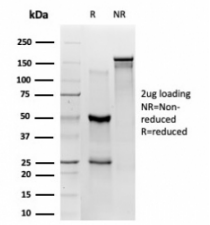
Immunofluorescent staining of PFA-fixed human MCF-7 cells using ZBED1 antibody (green, clone PCRP-ZBED1-1E1) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with ZBED1 antibody (blue, clone PCRP-ZBED1-1E1), and unstained cells (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZBED1 antibody (clone PCRP-ZBED1-1E1). These results demonstrate the foremost specificity of the PCRP-ZBED1-1E1 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 ZBED1 antibody (clone PCRP-ZBED1-1E1) as confirmation of integrity and purity.

Description

ZBED1 (zinc finger BED domain-containing protein 1), also known as ALTE (Ac-like transposable element), DREF or TRAMP, is a 694 amino acid protein that localizes specifically to granular structures within the nucleus. Expressed ubiquitously at low levels and present at higher levels in heart, placenta, spleen and skeletal muscle, ZBED1 is thought to function as a transcription factor that regulates a number of ribosomal protein (RP) encoding genes, thereby playing a role in the cell cycle and in cell proliferation events. ZBED1 contains one BED-type zinc finger and binds specifically to 5 DNA regions found in RP promotors. Additionally, ZBED1 binds strongly to the promotor region of Histone H1 (a protein required for the condensation of nucleosomes into higher order structures), subsequently activating H1 transcription.

Application Notes

Optimal dilution of the ZBED1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ZBED1 protein was used as the immunogen for the ZBED1 antibody.

Storage

Aliquot the ZBED1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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