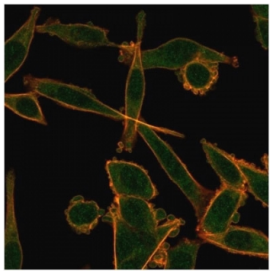
KLF12 Antibody [clone PCRP-KLF12-1E3] (V9604)

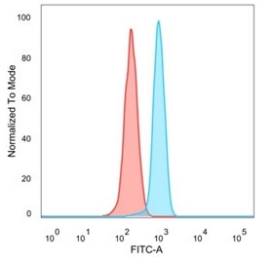
Catalog No.	Formulation	Size
V9604-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9604-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9604SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

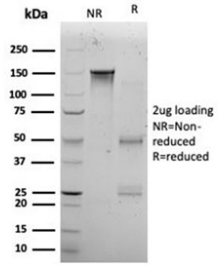
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-KLF12-1E3
Purity	Protein A/G affinity
UniProt	Q9Y4X4
Localization	Nucleus, cytoplasm
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This KLF12 antibody is available for research use only.



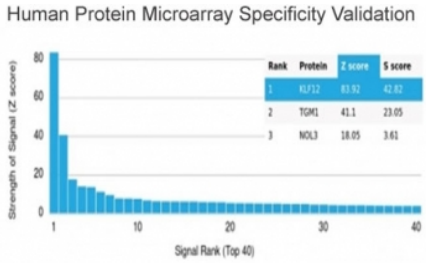
Immunofluorescent staining of PFA-fixed human HeLa cells using KLF12 antibody (green, clone PCRP-KLF12-1E3) and Phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with KLF12 antibody (blue, clone PCRP-KLF12-1E3), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free KLF12 antibody (clone PCRP-KLF12-1E3) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using KLF12 antibody (clone PCRP-KLF12-1E3). These results demonstrate the foremost specificity of the PCRP-KLF12-1E3 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

Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. KLF12 is a member of the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a specific site in the AP-2 alpha gene promoter. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the KLF12 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the KLF12 antibody.

Storage

Aliquot the KLF12 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.