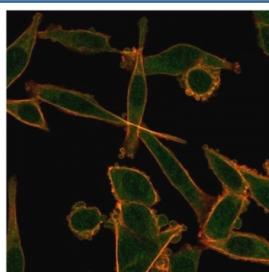


## KLF12 Antibody [clone PCRP-KLF12-1E3] (V9604)

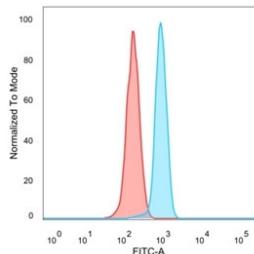
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V9604-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9604-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V9604SAF-100UG | 1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

**Bulk quote request**

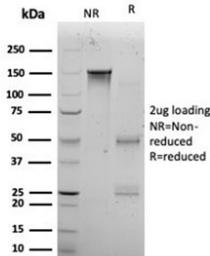
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG1  |
| <b>Clone Name</b>         | PCRP-KLF12-1E3  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | Q9Y4X4  |
| <b>Localization</b>       | Nucleus, cytoplasm  |
| <b>Applications</b>       | Flow Cytometry : 1-2ug/million cells<br>Immunofluorescence : 1-2ug/ml |
| <b>Limitations</b>        | 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).

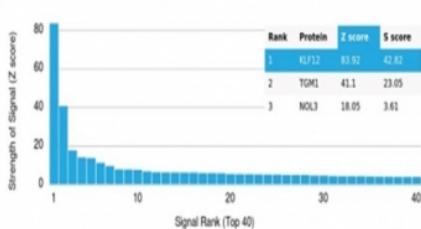


FACS staining of PFA-fixed human HeLa cells with KLF12 antibody (blue, clone PCRP-KLF12-1E3), and unstained cells (red).



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

Human Protein Microarray Specificity Validation



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.

