

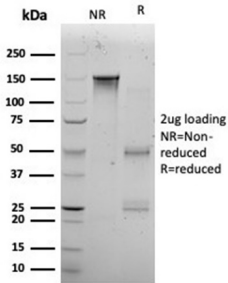
Anti-KLF12 Antibody [PCRP-KLF12-1E3] (A277541)

Specifications:

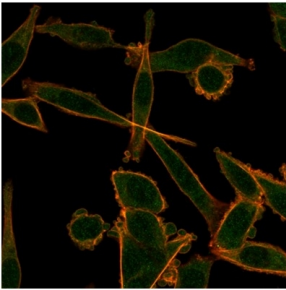
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|------------------------|---|
| Name: | Anti-KLF12 Antibody [PCRP-KLF12-1E3] |
| Description: | Mouse monoclonal [PCRP-KLF12-1E3] antibody to KLF12. |
| Specificity: | Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. The protein encoded by this gene 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. |
| Applications: | IP, Flow Cytometry, IF |
| Recommended Dilutions: | IP: 1-2µg / 100-500µg proteins, Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml |
| Reactivity: | Human |
| Cross Reactivity: | This antibody is predicted to cross react with Mouse and Rat. |
| Immunogen: | Recombinant full-length human KLF12 protein. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | PCRP-KLF12-1E3 |
| Isotype: | IgG1 |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 200 µg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-KLF12 Antibody [PCRP-KLF12-1E3] - BSA and Azide free (A278129). |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

Anti-KLF12 Antibody [PCRP-KLF12-1E3] (A277541)

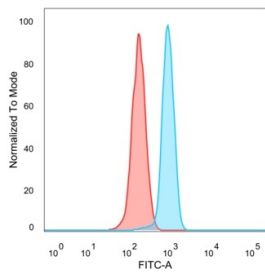
Images:



SDS-PAGE analysis of Anti-KLF12 Antibody [PCRP-KLF12-1E3] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



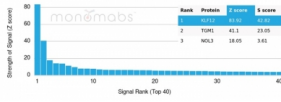
Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-KLF12 Antibody [PCRP-KLF12-1E3] followed by Goat Anti-Mouse IgG (CF® 488) (Green).



Flow cytometric analysis of PFA-fixed HeLa cells using Anti-KLF12 Antibody [PCRP-KLF12-1E3] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (Red).

Anti-KLF12 Antibody [PCRP-KLF12-1E3] (A277541)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-KLF12 Antibody [PCRP-KLF12-1E3]. Z-Score 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 HuProt™ 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 HuProt™ 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 be 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.