Product Datasheet

KLF12 Antibody (orb2635196)

Catalog Number	orb2635196
Category	Antibodies
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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein A/G affinity
Immunogen	Recombinant full-length human protein was used as the immunogen for the KLF12 antibody.
UniProt ID	Q9Y4X4
Tested applications	FACS, IF
Dilution range	Flow cytometry: 1-2ug/million cells,Immunofluorescence: 1-2ug/ml

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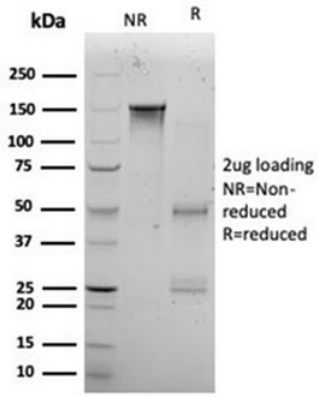
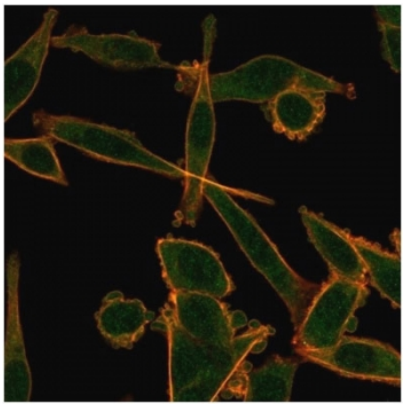
Application notes	Optimal dilution of the KLF12 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	PCRP-KLF12-1E3
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



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



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

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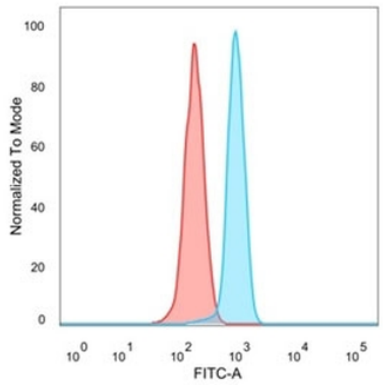
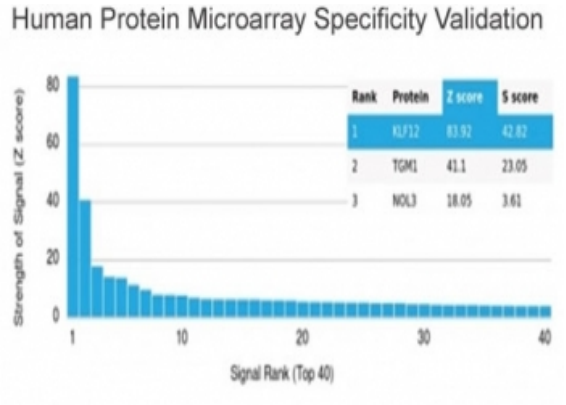


FACS staining of PFA-fixed human HeLa cells with KLF12 antibody (blue, clone PCRP-KLF12-1E3), and unstained cells (red).



Analysis of HuProt (TM) microarray containing more than 19000 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.

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