

## 10-6606: Mouse Monoclonal Antibody to KLF4 (Clone: 56CT5.1.6)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	56CT5.1.6
<b>Application :</b>	WB,IF,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	KLF4
<b>Gene ID :</b>	9314
<b>Uniprot ID :</b>	O43474
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Kruppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, KLF4, EZF, GKLF
<b>Isotype :</b>	Mouse IgG2b,Kappa
<b>Immunogen Information :</b>	Recombinant Protein

### Product Info

<b>Amount :</b>	80 $\mu$ l / 400 $\mu$ l
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

### Application Note

WB~1:2000~8000|| FACS~1:10~50|| IF~1:10~50

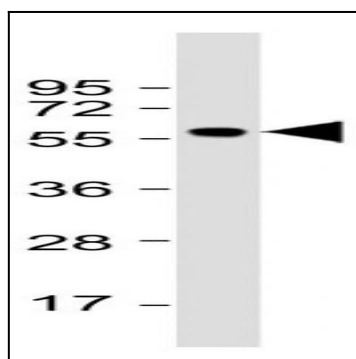


Figure 1: Anti-KLF4 Antibody (10-6606) at 1:8000 dilution + Recombinant protein Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa.

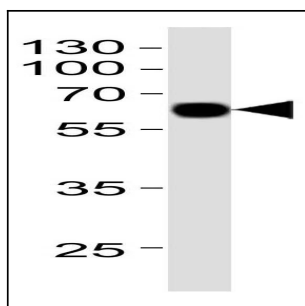


Figure 2: Western blot analysis of lysates with KLF4 protein, using KLF4 Antibody (10-6606). KLF4 Antibody was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20  $\mu$ g.

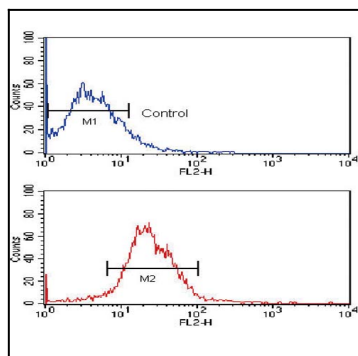


Figure 3: Flow cytometric analysis of MCF-7 cells using KLF4 Monoclonal Antibody (bottom histogram) compared to a negative control cell (top histogram). PE-conjugated goat-anti-mouse secondary antibodies were used for the analysis.

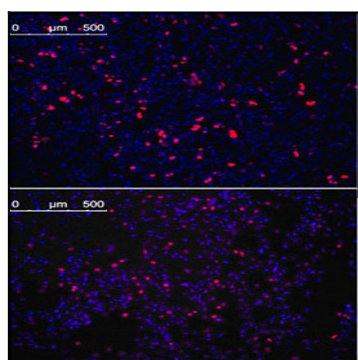


Figure 4: Immunofluorescence analysis of KLF4 antibody (10-6606) with 5  $\mu$ g/ml. HeLa cells transfected with pMX constructs of human KLF4 (top) and NIH3T3 cells transfected with pMX constructs of mouse KLF4 (bottom) were analyzed at approximately 62 hours after transfection.