

## Product datasheet for **TA324725S**

### **KLF4 Rabbit Polyclonal Antibody**

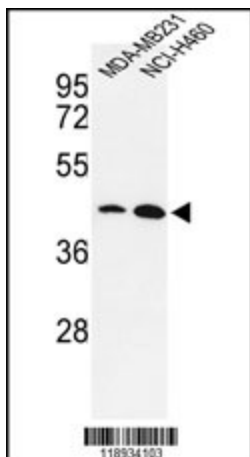
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	IF: 1:10~50, WB: 1:1000
<b>Reactivity:</b>	Human (Predicted: Mouse, Rat)
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This KLF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 481-504 amino acids from human KLF4.
<b>Formulation:</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	54671 Da
<b>Gene Name:</b>	Kruppel-like factor 4 (gut)
<b>Database Link:</b>	<a href="#">NP_004226</a> <a href="#">Entrez Gene 16600 Mouse</a> <a href="#">Entrez Gene 114505 Rat</a> <a href="#">Entrez Gene 9314 Human</a> <a href="#">O43474</a>
<b>Synonyms:</b>	EZF; GKLF
<b>Protein Families:</b>	Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

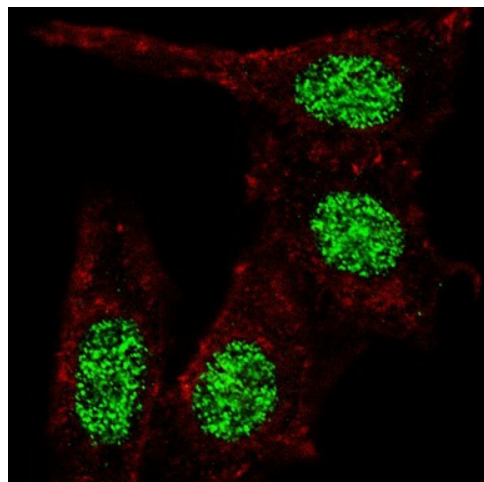


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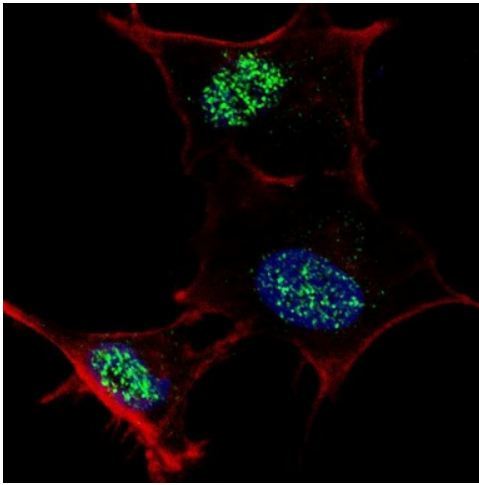
## Product images:



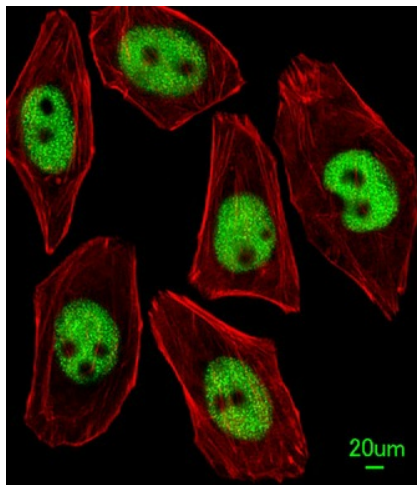
Western blot analysis of KLF4-S457 (Cat.# [TA324725]) in MDA-MB231, NCI-H460 cell line lysates (35ug/lane). KLF4 (arrow) was detected using the purified Pab.



IF image of HeLa cells stained with [TA324725] KLF4 (S457) antibody. HeLa cells were incubated with [TA324725] KLF4 (S457) primary antibody (1:100, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin. Note the highly specific localization of the phosphorylated KLF4 immunoreactivity to the nuclei but not the cytoplasm.



IF image of SY5Y cells stained with [TA324725] KLF4 (S457) antibody. SY5Y cells were incubated with [TA324725] KLF4 (S457) primary antibody (1:100, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin. Note the highly specific localization of the phosphorylated KLF4 immunoreactivity to the nuclei.



Immunofluorescent analysis of U251 cells, using KLF4 Antibody (Cat. #[TA324725]). [TA324725] was diluted at 1:25 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor® 554 (red) conjugated Phalloidin (red).