

Phospho-KLF4 Antibody (pS245) (F48604)

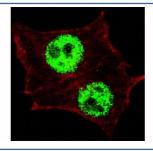
| Catalog No. | Formulation | Size |
|---------------|--|---------|
| F48604-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F48604-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

Bulk quote request

| Availability | 1-3 business days |
|----------------------|--|
| Species Reactivity | Human |
| Predicted Reactivity | Mouse |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit Ig |
| Purity | Antigen affinity |
| UniProt | O43474 |
| Applications | Immunofluorescence : 1:10-1:50 Dot Blot : 1:500 |
| Limitations | This phospho-KLF4 antibody is available for research use only. |



Dot blot analysis of phospho-KLF4 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



Fluorescent confocal image of HeLa cells stained with phospho-KLF4 antibody at 1:200. Note the highly specific localization of the phosphorylated KLF4 immunoreactivity to the nuclei but not the nucleoli or the cytoplasm.

Description

Krueppel-like factor family members are involved in growth regulation and a wide range of developmental processes. KLF4 is highly expressed in epithelial tissues including skin and stomach/intestine. Studies have shown that it can function as both an oncogene, upregulating hSSC, and a tumor suppressor, down-regulating colorectal cancer.

Application Notes

Titration of the phospho-KLF4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This phospho-KLF4 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS245 of human KLF4.

Storage

Aliquot the phospho-KLF4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.