

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human KLF6 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody shows less than 5% cross-reactivity with rhKLF4, rhKLF5 and rmKLF15.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human KLF6 Met1-Ser109 Accession # Q99612
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human KLF6

#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

KLF6 is a ubiquitously expressed nuclear protein belonging to the Kruppel C2H2-type zinc finger transcription factor family. It is a 283 amino acid (aa) protein that contains an N-terminal acidic domain, a Ser/Thr-rich region and three zinc-finger motifs. The acidic region may interact with other transcription factors. The Ser-Thr-rich region likely serves as an activation domain, and the zinc-finger motifs bind DNA. One alternate splice form is known that shows a 55 aa substitution for the C-terminal 57 amino acids. KLF6 is considered a tumor-suppressor gene. It also promotes iNOS and TGF-β1 expression. Human KLF6 shares 94%, 95% and 94% aa sequence identity with rat, mouse and canine KLF6, respectively.