

#### DESCRIPTION

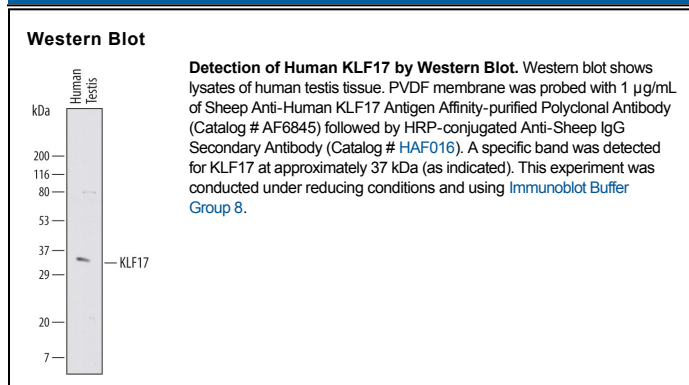
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human KLF17 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) KLF1, rhKLF2, rhKLF4, rhKLF5, rhKLF6, rhKLF10, and rhKLF12 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human KLF17 Met1-Gln228 Accession # Q5JT82
<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 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.2 mg/mL.
<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

KLF17 (Kruppel-like factor 17) is a 38-39 kDa member of the Sp1 C2H2-type zinc-finger protein family. Based on mouse studies, it is expressed in germ cells and likely plays a role in spermatid and oocyte differentiation. It is also found to be downregulated in tumors where, if present, it normally suppresses Id1 (Inhibitor of DNA binding 1), a transcription factor associated with tumorigenesis. Human KLF17 is 389 amino acids (aa) in length and contains three zinc-finger motifs (aa 283-365). There is one potential alternate splice form that shows a 19 aa substitution for aa 97-389. Over aa 1-228, human KLF17 shares only 33% aa identity with mouse ZFP393/KLF17.