

DESCRIPTION

Species Reactivity	Human
Specificity	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.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human KLF6 Met1-Ser109 Accession # Q99612
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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