

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse KLF5 in Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) KLF4, rhKLF6, recombinant mouse (rm) KLF4 and rmKLF15 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human KLF5 Leu85-Ala177 Accession # Q13887
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.

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

Human KLF5, also known as basic transcription element binding protein 2 (BTEB2), is a widely expressed 51 kDa (457 aa) member of the kruppel C2H2-type zinc finger protein family. KLF5 contains three C2H2-type zinc fingers at the carboxyl-terminus that preferentially bind to cis-DNA elements that are GC rich. It is a transcription activator that promotes cell proliferation and oncogenesis. Over the region used as immunogen, human, mouse and canine KLF5 share 95% aa sequence identity.

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