

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human FHL2 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human FHL1 is observed.                                                                                                                         |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human FHL2<br>Lys167-Ile279<br>Accession # Q14192                                                                                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 617 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

FHL2 (Four-and-a-half LIM domains protein 2; also SLIM3 and DRAL) is a 30-32 kDa member of the four-and-a half class of the LIM domain-only protein family. It shows a tissue-specific expression pattern (myocardium; skeletal muscle; prostatic epithelium), and is noted for its strong transactivation of the androgen receptor (AR). Human FHL2 is 279 amino acids (aa) in length. It contains four distinct LIM domains (aa 40-92; 101-153; 162-212; 221-275) that all bind to the AR. There are two potential alternate start sites (Met115 and Met110) and one splice variant that shows a 99 aa substitution for aa 53-279. Over aa 167-279, human FHL2 is 95% and 96% aa identical to canine and mouse FHL2, respectively.

## PRODUCT SPECIFIC NOTICES

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