

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human ZFP90 in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant mouse ZFP90 is observed.                                                                                                                           |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human ZFP90<br>Lys94-Lys207<br>Accession # Q8TF47                                                                                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 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

ZFP90 (Zinc Finger Protein 90; also ZFP756 and NK10) is a nuclear 66-72 kDa member of the ZNF505 clade, ZNF91 subfamily, kruppel C2H2-type zinc finger family of proteins. It is widely expressed, and found in cell types such as hepatocytes and cardiac myocytes. Functionally, ZFP90 acts as a transcriptional repressor by interacting with KAP-1/TRIM28/TIF1β. This interaction influences histone modifications and heterochromatin protein 1 deposition on DNA. Conversely, it is also known to bind to NRSF, thereby promoting NRSF sensitive gene expression. Human ZFP90 is 636 amino acids (aa) in length. It contains one KRAB domain (aa 14-85) followed by thirteen C2H2-type Zn-finger domains (aa 211-631). Over aa 94-207, human and mouse ZFP90 share 54% aa sequence identity.

## PRODUCT SPECIFIC NOTICES

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