Human ZFP90 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7870

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ZFP90 in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant mouse ZFP90 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human ZFP90 Lys94-Lys207 Accession # Q8TF47
Formulation	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.

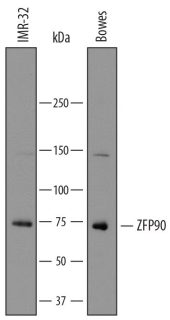
APPLICATIONS

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
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human ZFP90 by Western Blot. Western blot shows lysates of IMR-32 human neuroblastoma cell line and Bowes human melanoma cell line. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human ZFP90 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7870) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for ZFP90 at approximately 72 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	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
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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