

DESCRIPTION

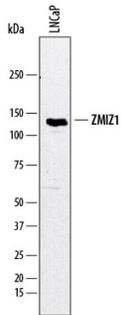
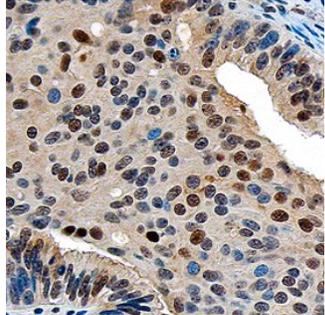
Species Reactivity	Human
Specificity	Detects human ZMIZ1/Zimp10 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ZMIZ1/Zimp10 Pro878-Ala981 Accession # Q9ULJ6
Formulation	Lyophilized from a 0.2 µm 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
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Western Blot	Immunohistochemistry
 <p>Detection of Human ZMIZ1/Zimp10 by Western Blot. Western blot shows lysates of LNCaP human prostate cancer cell line. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human ZMIZ1/Zimp10 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8107) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for ZMIZ1/Zimp10 at approximately 120-130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	 <p>ZMIZ1/Zimp10 in Human Ovary. ZMIZ1/Zimp10 was detected in immersion fixed paraffin-embedded sections of human ovary using Sheep Anti-Human ZMIZ1/Zimp10 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8107) at 5 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to nuclei. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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. <ul style="list-style-type: none"> • 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

Human ZMIZ1 (zinc finger and Miz-domain containing 1), previously called Zimp10 (zinc finger, Miz1, PIAS-like protein on chromosome 10) is a 1067 amino acid (aa), approximately 130 kDa cytoplasmic and nuclear protein. It is a coactivator of the androgen receptor (AR), and enhances AR-mediated transcription and AR sumoylation. It also coactivates other transcription factors such as SMAD4 and p53. It is normally expressed in human ovary, testis and prostate epithelial cells. The ZIMZ1 gene can be fused to ABL1 in a B-cell acute lymphocytic leukemia. Within the region used as an immunogen, human ZMIZ1 shares 98% and 97% aa sequence identity with mouse and rat ZMIZ1, respectively. A 997 aa isoform with an alternate sequence replacing aa 1-94 has been described.