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ZIMP7 Antibody
Catalog # ASC11300

Specification

ZIMP7 Antibody - Product Information

Application	**WB**
Primary Accession	Q8NF64
Other Accession	Q8NF64, 54607108
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**ZIMP7 antibody can be used for detection of ZIMP7 by Western blot at 0.25 - 0.5 µg/mL.**

ZIMP7 Antibody - Additional Information

Gene ID **83637**

Target/Specificity
ZMIZ2; At least four isoforms are known to exist. ZIMP7 antibody is predicted to not cross-react with other PIAS protein family members.

Reconstitution & Storage
ZIMP7 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
ZIMP7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZIMP7 Antibody - Protein Information

Name ZMIZ2

Synonyms KIAA1886, ZIMP7

Function
Increases ligand-dependent transcriptional activity of AR and other nuclear hormone receptors.

Cellular Location
Nucleus. Note=Detected at replication foci throughout S phase

Tissue Location
Expressed most abundantly in testis with lower levels in heart, brain, pancreas, prostate and ovary

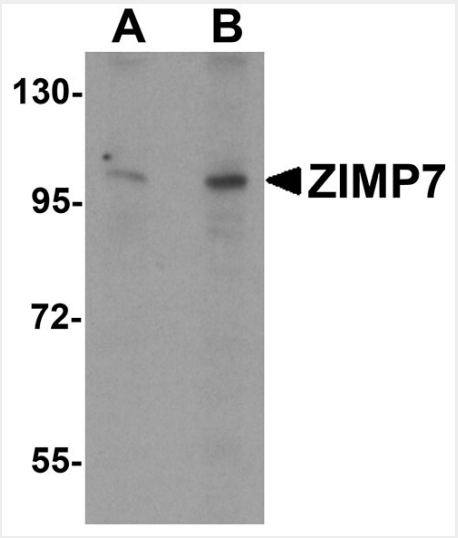
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ZIMP7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZIMP7 Antibody - Images



Western blot analysis of ZIMP7 in A20 cell lysate with ZIMP7 antibody at (A) 0.25 µg/ml and (B) 0.5 µg/mL.

ZIMP7 Antibody - Background

ZIMP7 Antibody: ZIMP7, also known as ZMIZ2, is a novel PIAS (protein inhibitor of activated signal transducer and activator of transcription)-like protein and a transcriptional coactivator. ZIMP7 is expressed most abundantly in testis. The C-terminal proline-rich domain possesses a significant intrinsic transcriptional activity and this activity is inhibited by the N-terminus in the full-length ZIMP7. ZIMP7 and the related protein ZIMP10 interact with PIAS3 and enhances Androgen Receptor (AR)- mediated transcription. The interaction between ZIMP7 and SWI/SNF complex suggests a possible role for ZIMP7 in chromatin modification.

ZIMP7 Antibody - References

Huang CY, Beliakoff J, Li X, et al. hZimp7, a novel PIAS-like protein, enhances androgen receptor-mediated transcription and interacts with SWI/SNF-like BAF complexes. Mol. Endocrinol. 2005; 19:2915-29
Ueki N, Oda T, Kondo M, et al. Selection system for genes encoding nuclear-targeted proteins. Nat. Biotechnol. 1998; 16:1338-42.
Beliakoff J and Sun Z. Zimp7 and Zimp10, two novel PIAS-like proteins, function as androgen receptor coregulators. Nucl. Recept. Signal. 2006; 4:e017
Peng Y, Lee J, Zhu C, et al. A novel role for protein inhibitor of activated STAT (PIAS) proteins in

modulating the activity of Zimp7, a novel PIAS-like protein, in androgen receptor-mediated transcription. J. Biol. Chem. 2010; 285:11465-75.