

**Goat Anti-PERP Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1814a****Specification**

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**Goat Anti-PERP Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q96FX8</a>
Other Accession	<a href="#">NP_071404</a> , <a href="#">64065</a> , <a href="#">64058 (mouse)</a> , <a href="#">292949 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	21386

**Goat Anti-PERP Antibody - Additional Information****Gene ID** 64065**Other Names**

p53 apoptosis effector related to PMP-22, Keratinocyte-associated protein 1, KCP-1, P53-induced protein PIGPC1, Transmembrane protein THW, PERP, KCP1, KRTCAP1, PIGPC1, THW

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-PERP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-PERP Antibody - Protein Information****Name** PERP ([HGNC:17637](#))**Function**

Component of intercellular desmosome junctions (By similarity). Plays a role in stratified epithelial integrity and cell- cell adhesion by promoting desmosome assembly (By similarity). Thereby plays a role in barrier function of the skin against infection (By similarity). Plays a role in mammary epithelial tissue homeostasis and remodeling during and after pregnancy, potentially via its involvement in desmosome cell-cell junctions (By similarity). Required for tooth enamel development via facilitating desmosome-mediated ameloblast adhesion to the stratum intermedium during the transitional stage of amelogenesis (By similarity). May also play a role in downstream transcriptional regulation of other genes involved in amelogenesis such as AMBN, ENAM, MMP20 and KLK4 (By similarity). Plays a role as an effector in the TP53-dependent apoptotic pathway (By similarity). Positively regulates apoptosis in T-helper 17 (Th17) cell populations via caspase-dependent signaling (By similarity). Promotes neutrophil transepithelial migration in response to chemoattractants such as heparin A3 (HXA3), N-Formylmethionyl-leucyl-phenylalanine (fMLP) and CXCL8/IL-8 (PubMed:<a href="http://www.uniprot.org/citations/25486861" target="\_blank">25486861</a>). Required for neutrophil transepithelial migration in response to S.typhimurium infection (PubMed:<a href="http://www.uniprot.org/citations/25486861" target="\_blank">25486861</a>). May act as a positive regulator of endothelial cell apoptosis in response to blood flow-derived shear stress (By similarity).

#### **Cellular Location**

Cell junction, desmosome {ECO:0000250|UniProtKB:Q9JK95}. Cell membrane; Multi-pass membrane protein. Cytoplasm. Note=Associated with desmosomes (By similarity). Colocalizes with KRT14 in the cell membrane (PubMed:31898316). Clusters in a punctate pattern throughout the epithelial cytoplasm, in response to S.typhimurium infection (PubMed:25486861). {ECO:0000250|UniProtKB:Q9JK95, ECO:0000269|PubMed:25486861, ECO:0000269|PubMed:31898316}

#### **Tissue Location**

Expressed in skin, heart, placental, liver, pancreas, keratinocytes and dermal fibroblasts. May translocate to the intestinal apical epithelial cell surface via sipA and sctB1/sipC- promoted exocytic translocation following infection by S. Typhimurium (PubMed:25486861, PubMed:27078059).

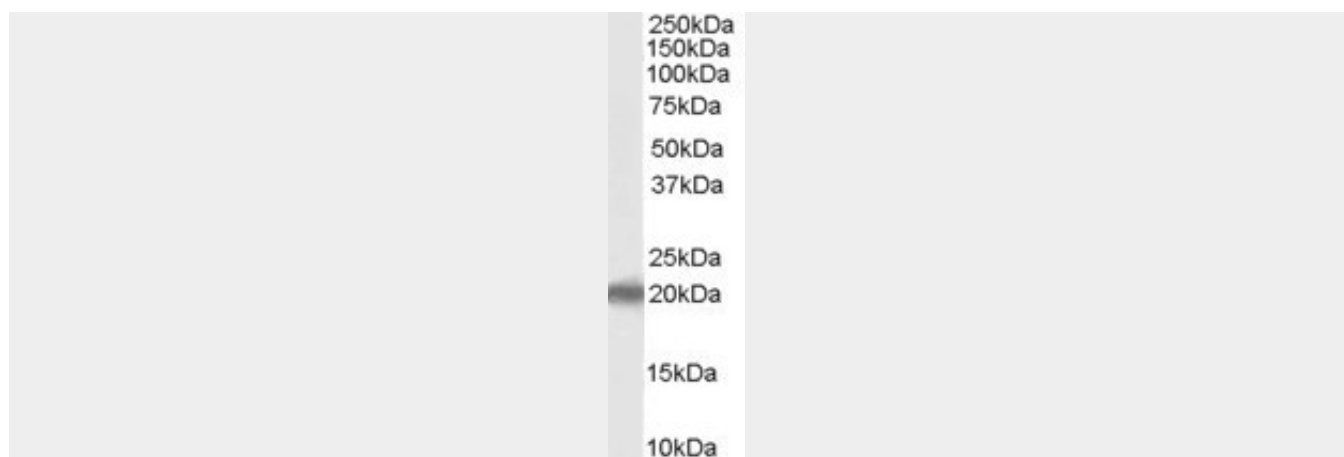
### **Goat Anti-PERP Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Goat Anti-PERP Antibody - Images**





AF1814a (1 µg/ml) staining of human liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **Goat Anti-PERP Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

A Large-scale genetic association study of esophageal adenocarcinoma risk. Liu CY, et al. Carcinogenesis, 2010 Jul. PMID 20453000.

Single-nucleotide polymorphisms in the p53 pathway genes modify cancer risk in BRCA1 and BRCA2 carriers of Jewish-Ashkenazi descent. Yarden RI, et al. Mol Carcinog, 2010 Jun. PMID 20306497.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Differential PERP regulation by TP63 mutants provides insight into AEC pathogenesis. Beaudry VG, et al. Am J Med Genet A, 2009 Sep. PMID 19353588.