10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-PEBP4 Antibody

Peptide-affinity purified goat antibody

Catalog # AF2209a

Specification

Goat Anti-PEBP4 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q96S96
Other Accession	NP_659399, 157310
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**25733**

Goat Anti-PEBP4 Antibody - Additional Information

Gene ID 157310

Other Names
Phosphatidylethanolamine-binding protein 4, PEBP-4, hPEBP4, Protein cousin-of-RKIP 1, PEBP4, CORK1

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-PEBP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PEBP4 Antibody - Protein Information

Name PEBP4

Synonyms CORK1

Function
Promotes AKT phosphorylation, suggesting a possible role in the PI3K-AKT signaling pathway.

Cellular Location
Secreted.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-PEBP4 Antibody - Protocols

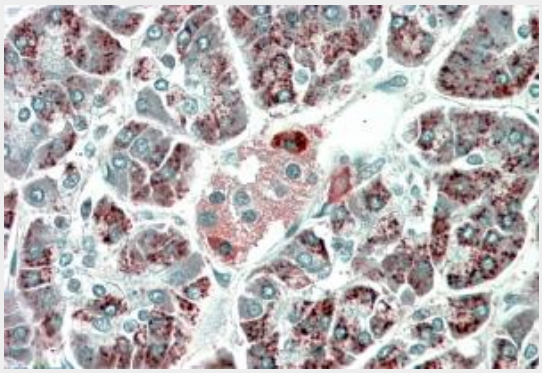
Provided below are standard protocols that you may find useful for product applications.

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

Goat Anti-PEBP4 Antibody - Images



AF2209a (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2209a (5 µg/ml) staining of paraffin embedded Human Pancreas. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.

Goat Anti-PEBP4 Antibody - Background

The phosphatidylethanolamine (PE)-binding proteins, including PEBP4, are an evolutionarily conserved family of proteins with pivotal biologic functions, such as lipid binding and inhibition of

serine proteases (Wang et al., 2004 [PubMed 15302887]).

Goat Anti-PEBP4 Antibody - References

Human phosphatidylethanolamine-binding protein 4 promotes transactivation of estrogen receptor alpha (ERalpha) in human cancer cells by inhibiting proteasome-dependent ERalpha degradation via association with Src. Liu H, et al. J Biol Chem, 2010 Jul 16. PMID 20460377.
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061.
Regulation of human myoblast differentiation by PEBP4. Garcia R, et al. EMBO Rep, 2009 Mar. PMID 19197339.
Molecular genetics of successful smoking cessation: convergent genome-wide association study results. Uhl GR, et al. Arch Gen Psychiatry, 2008 Jun. PMID 18519826.