

Goat Anti-Aminopeptidase A Antibody
Peptide-affinity purified goat antibody
Catalog # AF1058a**Specification**

Goat Anti-Aminopeptidase A Antibody - Product Information

Application	WB, IHC, E
Primary Accession	Q07075
Other Accession	NP_001968 , 2028 , 13809 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	109244

Goat Anti-Aminopeptidase A Antibody - Additional Information**Gene ID** 2028**Other Names**

Glutamyl aminopeptidase, EAP, 3.4.11.7, Aminopeptidase A, AP-A, Differentiation antigen gp160, CD249, ENPEP

DilutionWB~~1:1000
IHC~~1:100~500
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-Aminopeptidase A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Aminopeptidase A Antibody - Protein Information**Name** ENPEP**Function**

Regulates central hypertension through its calcium-modulated preference to cleave N-terminal acidic residues from peptides such as angiotensin II.

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Expressed in choriocarcinoma cancer cell lines (at protein level) (PubMed:10692253). Expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. Also found in a variety of other tissues.

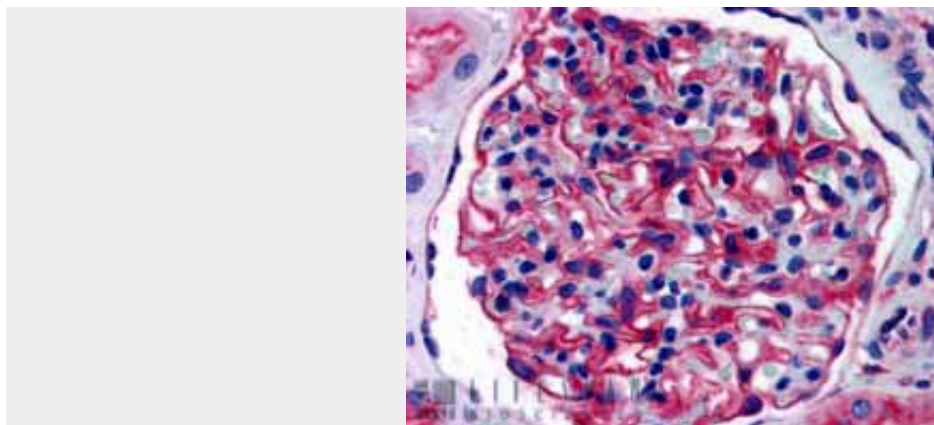
Goat Anti-Aminopeptidase A Antibody - Protocols

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-Aminopeptidase A Antibody - Images

AF1058a staining (1 µg/ml) of Human Testis lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by chemiluminescence.



AF1058a (3.8 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-Aminopeptidase A Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

A systematic gene-based screen of chr4q22-q32 identifies association of a novel susceptibility gene, DKK2, with the quantitative trait of alcohol dependence symptom counts. Kalsi G, et al. Hum Mol Genet, 2010 Jun 15. PMID 20332099.

Increased APN/CD13 and acid aminopeptidase activities in head and neck squamous cell carcinoma. Párez I, et al. Head Neck, 2009 Oct. PMID 19373777.

Aminopeptidase A contributes to the N-terminal truncation of amyloid beta-peptide. Sevalle J, et al. J Neurochem, 2009 Apr. PMID 19187443.

Evaluation of role of angiotensin III and aminopeptidases in prostate cancer cells. Teranishi J, et al. Prostate, 2008 Nov 1. PMID 18677709.