

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06798 - Goat Anti-Aminopeptidase A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: glutamyl aminopeptidase, CD249, gp160, APA, HGNC:3355, glutamyl aminopeptidase (aminopeptidase A), ENPEP, aminopeptidase A

Official Symbol: ENPEP

Accession Number(s): NP_001968.3

Human GeneID(s): [2028](#)

Non-Human GeneID(s): 13809 (mouse)

Immunogen

Peptide with sequence C-EQYQKTSLAQEKEK, from the internal region of the protein sequence according to NP_001968.3.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 170kDa band observed in Human Brain, Kidney and Testis lysates (calculated MW of 109kDa according to NP_001968.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ando et al, J Clin Endocrinol Metab. 2002 May;87(5):2303-9; PMID: 11994381). Recommended concentration: 1-3µg/ml.

IHC: In paraffin embedded Human Kidney shows staining of basement membrane and the mesangium in the glomerulus. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

Specific References

The goat polyclonal antibody used in this paper was manufactured by us:

Velez JC, Ryan KJ, Harbeson CE, Bland AM, Budisavljevic MN, Arthur JM, Fitzgibbon WR, Raymond JR, Janech MG.

Angiotensin I is largely converted to angiotensin (1-7) and angiotensin (2-10) by isolated rat glomeruli.

Hypertension. 2009 May;53(5):790-7.

PMID: 19289651

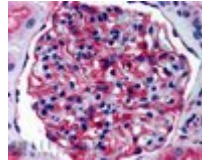
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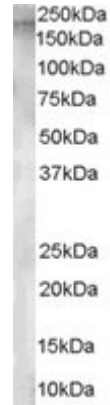
Characterization of renin-angiotensin system enzyme activities in cultured mouse podocytes.

Am J Physiol Renal Physiol. 2007 Jul;293(1):F398-407.

PMID: 17429035



EB06798 (3.8 μ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06798 staining (1 μ g/ml) of human testis lysate (RIPA buffer, 30 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.