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diagnostic or therapeutic use.**

EB06798 - Goat Anti-Aminopeptidase A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

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 and Testis lysates (calculated MW of 109kDa according to NP_001968.2). Primary incubation was for 1 hour. 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. This antibody has been successfully used in WB on Rat: PMID: 28399178 and 25470983.

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, Rat

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

Specific References

This antibody has been successfully used in WB on Rat:

Quesada A, Segarra AB, Montoro-Molina S, de Gracia MD, Osuna A, O'Valle F, Gómez-Guzmán M, Vargas F, Wangenstein R.

Glutamyl aminopeptidase in microvesicular and exosomal fractions of urine is related with renal dysfunction in cisplatin-treated rats.

PLoS One. 2017 Apr 11;12(4):e0175462

PMID: 28399178

This antibody has been successfully used in WB on Rat:

Montoro-Molina S, Quesada A, Zafra-Ruiz PV, O'Valle F, Vargas F, de Gracia Mdel C, Osuna A, Wangenstein R

Immunological detection of glutamyl aminopeptidase in urine samples from cisplatin-treated rats. Proteomics Clin Appl. 2015 Jun;9(5-6):630-5.

EB06798 staining (1µg/ml) of Human Testis lysate (RIPA buffer, 30µg total protein per lane). Detected by chemiluminescence.

EB06798 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.