

Rat Calpain-3 ELISA Kit | Capn3 elisa kit

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CATALOG #
AAA99110

REACTIVITY
Rat

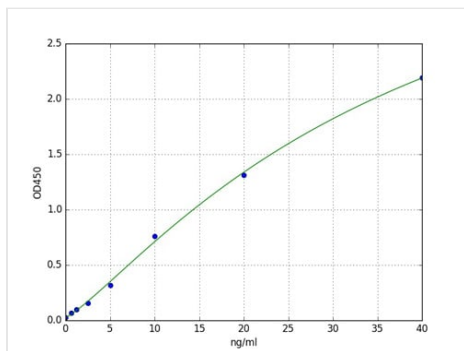
PRODUCT SYNONYMS

Calpain-3; Rat Calpain-3 ELISA Kit; Capn3; Capn3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	815
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Capn3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.024	0.059	0.079	0.179	0.306	0.908	1.333	2.338

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Capn3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Capn3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Capn3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Capn3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Capn3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

567316138

NCBI GeneID	102115794
NCBI Accession #	NP_001274630.1
NCBI GenBank Nucleotide #	NM_001287701.1
Molecular Weight	93,556 Da
NCBI Official Full Name	calpain-3
NCBI Official Symbol	CAPN3
NCBI Official Synonym Symbols	Cn94; Calpain-3
NCBI Protein Information	calpain-3
UniProt Protein Name	Calpain-3
UniProt Gene Name	CAPN3
UniProt Synonym Gene Names	CANP 3
UniProt Entry Name	CAN3_MACFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/capn3-rat-elisa-kits/calpain-3/99110>