

Rat Calpain-7 (CAPN7) ELISA Kit | CAPN7 elisa kit

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CATALOG #
AAA244909

REACTIVITY
Rat

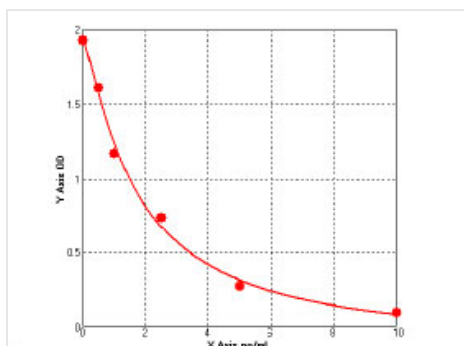
PRODUCT SYNONYMS

Calpain-7 (CAPN7); Rat Calpain-7 (CAPN7) ELISA Kit; CAPN7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN7 elisa kit

Intended Uses: This CAPN10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CAPN10. This ELISA kit for research use only!

Principle of the Assay: CAPN10 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CAPN10 antibody and an CAPN10-HRP conjugate. The assay sample and buffer are incubated together with CAPN10-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CAPN10 concentration since CAPN10 from samples and CAPN10-HRP conjugate compete for the anti-CAPN10 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAPN10 from the sample, fewer sites are left to bind CAPN10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAPN10 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7656959
NCBI GeneID	23473
NCBI Accession #	NP_055111.1
NCBI GenBank Nucleotide #	NM_014296.2
Molecular Weight	92,652 Da
NCBI Official Full Name	calpain-7
NCBI Official Synonym Full Names	calpain 7
NCBI Official Symbol	CAPN7
NCBI Official Synonym Symbols	PALBH; CALPAIN7
NCBI Protein Information	calpain-7; palB homolog; calpain like protease; homolog of Aspergillus Nidulans PALB
UniProt Protein Name	Calpain-7
UniProt Gene Name	CAPN7
UniProt Synonym Gene Names	PALBH; PalBH
UniProt Entry Name	CAN7_HUMAN

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://www.aaabiotech.com/rat-elisa-kits/calpain-7-capn7/244909>