

Rat CAPN1 ELISA Kit | CAPN1 elisa kit

Rat CAPN1(calpain 1) ELISA Kit

CATALOG #
AAA165910

REACTIVITY
Rat

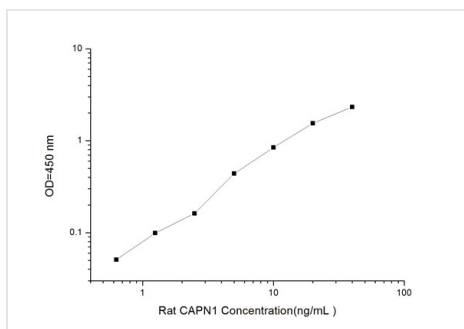
PRODUCT SYNONYMS

CAPN1; Rat CAPN1(calpain 1) ELISA Kit; CAPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinantRatCAPN1. No significant cross-reactivity or interference between RatCAPN1 and analogues was observed.
Sequence Length	714
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	Min: 0.375ng/mL ; Max: 40ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN1 elisa kit	Intended Uses: This ELISA kit applies to the invitro quantitative determination of RatCAPN1concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to CAPN1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for CAPN1and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain CAPN1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of CAPN1.You can calculate the concentration of CAPN1in the samples by comparing the OD of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	49900979
NCBI GeneID	823
Molecular Weight	81,890 Da
NCBI Official Full Name	CAPN1 protein
NCBI Official Synonym Full Names	calpain 1, (mu/l) large subunit
NCBI Official Symbol	CAPN1
NCBI Official Synonym Symbols	CANP; muCL; CANP1; CANPL1; muCANP
NCBI Protein Information	calpain-1 catalytic subunit; CANP 1; calcium-activated neutral proteinase 1; calpain mu-type; calpain, large polypeptide L1; calpain-1 large subunit; cell proliferation-inducing gene 30 protein; cell proliferation-inducing protein 30; micromolar-calpain
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANPL1; CANP 1; muCANP
UniProt Entry Name	CAN1_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.