

Human calpain 2, (m/II) large subunit ELISA Kit | CAPN2 elisa kit

Human calpain 2, (m/II) large subunit, CAPN2 ELISA Kit

CATALOG #
AAA112567

REACTIVITY
Human

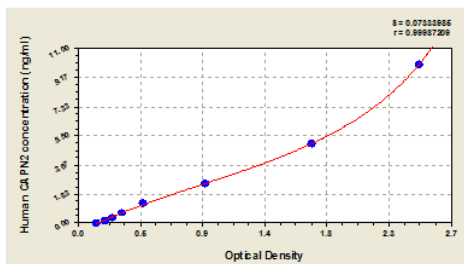
PRODUCT SYNONYMS

calpain 2; (m/II) large subunit; Human calpain 2; CAPN2 ELISA Kit; (m/II) large subunit (CAPN2) ELISA kit; CANP2; CANPL2; CANPml; FLJ39928; mCANP; M-calpain; calcium-activated neutral proteinase; large [catalytic] subunit; large subunit; calpain M-type; calpain; large polypepti; CAPN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CAPN2. No significant cross-reactivity or interference between human CAPN2 and analogues was observed.
Sequence Length	622
Samples	Serum, plasma, Cell lysates
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	The minimum detectable dose of human CAPN2 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAPN2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CAPN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CAPN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CAPN2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CAPN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225703100
NCBI GeneID	824
NCBI Accession #	NP_001139540.1
NCBI GenBank Nucleotide #	NM_001146068.1
UniProt Accession #	P17655; Q16738; Q6PJT3; Q8WU26; Q9HBB1; A6NDG7; B7ZA96; E7ES58
Molecular Weight	71,476 Da
NCBI Official Full Name	calpain-2 catalytic subunit isoform 2
NCBI Official Synonym Full Names	calpain 2, (m/II) large subunit
NCBI Official Symbol	CAPN2
NCBI Official Synonym Symbols	CANP2; mCANP; CANPL2; CANPml
NCBI Protein Information	calpain-2 catalytic subunit; CANP 2; M-calpain; calpain M-type; millimolar-calpain; calpain-2 large subunit; calpain 2, large subunit; calpain large polypeptide L2; calpain, large polypeptide L2; calpain 2, large [catalytic] subunit; calcium-activated neutral proteinase 2
UniProt Protein Name	Calpain-2 catalytic subunit
UniProt Gene Name	CAPN2
UniProt Synonym Gene Names	CANPL2; CANP 2; M-calpain
UniProt Entry Name	CAN2_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.