

## Product datasheet for **TA392637S**

### Calpain 2 (CAPN2) Rabbit Polyclonal Antibody

#### Product data:

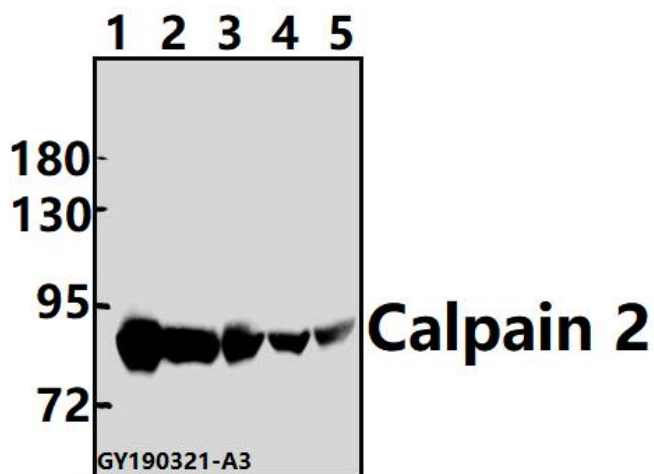
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 320-370 of Human Calpain 2.
Specificity:	Calpain 2 (K354) polyclonal antibody detects endogenous levels of Calpain-2 catalytic subunit protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 80 kDa
Gene Name:	calpain 2
Database Link:	<a href="#">Entrez Gene 824 Human P17655</a>
Background:	Mu Calpain, and m calpain, also known as Calpain 2, are intracellular, calcium dependent cysteine proteases. Mu calpain has a micromolar sensitivity (thus the mu) as compared to the millimolar calcium sensitivity of m calpain. Both Calpains 1 and 2 are composed of an 80 kD subunit and a 30 kD subunit. Whereas the 30 kDa subunit is shared by both enzymes, the larger catalytic subunits are different and exhibit the distinct Ca <sup>++</sup> requirements that are suggested by their names.
Synonyms:	Calcium-activated neutral proteinase 2; Calpain-2 catalytic subunit; Calpain-2 large subunit; Calpain large polypeptide L2; Calpain M-type; CANP 2; CANPL2; CAPN2; M-calpain; Millimolar-calpain



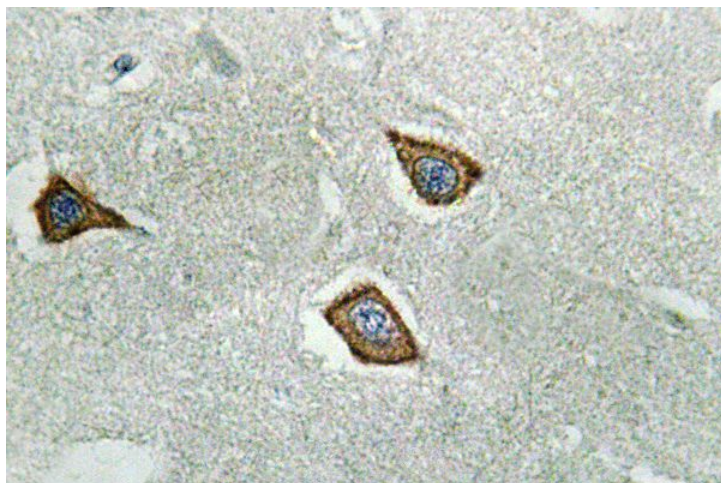
[View online »](#)

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of Calpain 2 (K354) pAb at 1:500 dilution Lane1:Beas-2B whole cell lysate(40ug) Lane2:HEK293T whole cell lysate(40ug) Lane3:PC3 whole cell lysate(40ug) Lane4:The Kidney tissue lysate of Mouse(40ug) Lane5:The Kidney tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of Calpain 2 (K354) pAb in paraffin-embedded human brain tissue.