

Product datasheet for **TA368763**

Calpain 6 (CAPN6) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Rat heart tissue, A172 cell, NIH/3T3 cell, TM4 cell lysates
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CAPN6
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	75 kDa
Gene Name:	calpain 6
Database Link:	Entrez Gene 827 Human Q9Y6Q1

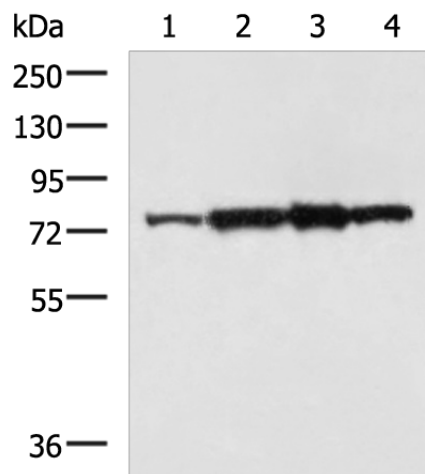
Background: Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis.



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Synonyms: calpamodulin; CalpM; CANPX; CAPNX; DJ914P14.1

Product images:



Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane 1-4: Rat heart tissue
A172 cell
NIH/3T3 cell
TM4 cell lysates
Primary antibody: TA368763 (CAPN6 Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 1 minute