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Product datasheet for TA368764

Calpain 7 (CAPN7) Rabbit Polyclonal Antibody

Product data:

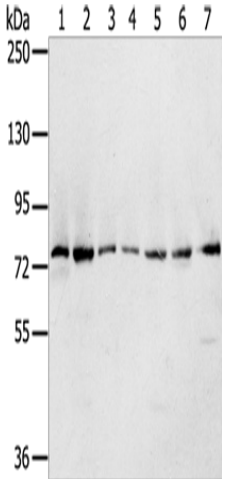
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human normal liver and mouse liver tissue, mouse intestines and pancreas tissue, hepg2 and HT-29 cells, mouse heart tissue IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CAPN7
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	93 kDa
Gene Name:	calpain 7
Database Link:	Entrez Gene 23473 Human Q9Y6W3

View online »

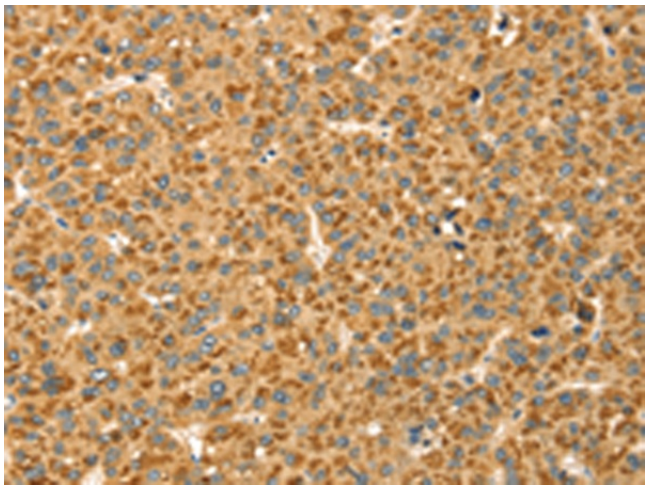
Background: Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse orthologue is thought to be calcium independent with protease activity.

Synonyms: CALPAIN7; FLJ36423; PALBH

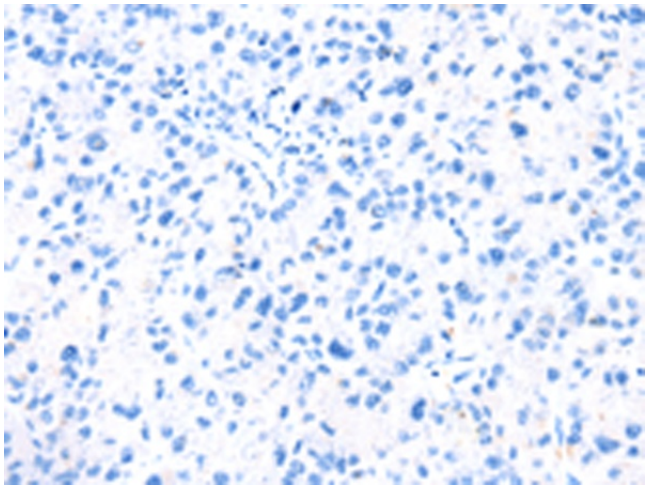
Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-7: Human normal liver tissue
mouse liver tissue
mouse intestines tissue
Mouse pancreas tissue
hepg2 cells
HT29 cells
mouse heart tissue
Primary antibody: TA368764 (CAPN7 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA368764 (CAPN7 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA368764 (CAPN7 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)