

CAPN6 Polyclonal Antibody

Catalog Number: E-AB-18214



Note: Centrifuge before opening to ensure complete recovery of vial contents.

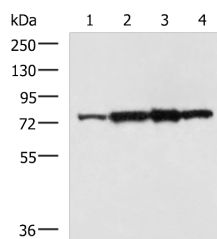
Description

Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein of human CAPN6
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4

Applications Recommended Dilution

WB	1:500-1:2000
ELISA	1:5000-1:10000

Data



Western blot analysis of Rat heart tissue A172 cell
NIH/3T3 cell TM4 cell lysates using CAPN6
Polyclonal Antibody at dilution of 1:800
Observed MW: Refer to figures
Calculated Mw: 75 kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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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