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CAPN6 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8453b

Product Information

Application	WB, FC, E
Primary Accession	Q9Y6Q1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	1395CT446.22.5
Calculated MW	74576

Additional Information

Gene ID	827
Other Names	Calpain-6, Calpain-like protease X-linked, Calpamodulin, CalpM, CAPN6, CALPM, CANPX
Target/Specificity	This CAPN6 antibody is generated from a mouse immunized with a recombinant protein of human CAPN6.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CAPN6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CAPN6
Synonyms	CALPM, CANPX
Function	Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial

	formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues (By similarity).
Cellular Location	Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton, spindle. Note=During mitose associated with the mitotic spindle. At telophase colocalized to the midbody spindle
Tissue Location	Expressed only in placenta.

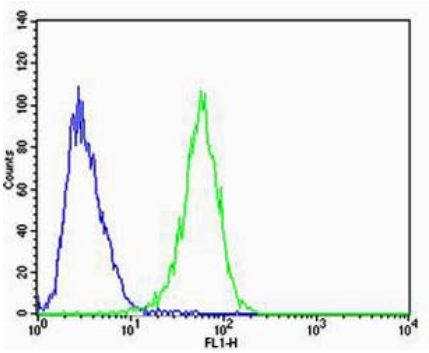
Background

Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues (By similarity).

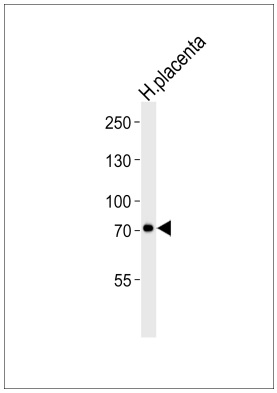
References

Dear T.N.,et al.Genomics 45:175-184(1997).
Crotty P.L.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.
Belsito A.,et al.Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Flow cytometric analysis of A549 cells using CAPN6 Antibody(green, Cat#) compared to an isotype control of mouse IgG1(blue). was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.



Western blot analysis of lysate from human placenta tissue lysate, using CAPN6 Antibody(Cat. #AM8453b). AM8453b was diluted at 1:1000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 20µg.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.