



Mouse anti-Human CST6 monoclonal antibody, clone 3I9 (CABT-B10042)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CST6 (AAH31334, 29 a.a. ~ 150 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3I9
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	RPQERMVGEIRDLSPPDPQVQKAAQAAVASYNMGNSIYYFRDTHIIKAQSQLVAGIKYF LTMEMGSTDCRKTRVTGDHVDLTTCPAAGAQQEKLRCDFEVLVVPWQNSSQLLKHNCVQ M*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.

Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]

Keywords	CST6; cystatin E/M; cystatin-M; cystatin 6; cystatin M; cystatin-6; cystatin-E; cystatin M/E; cysteine proteinase inhibitor;
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GENE INFORMATION

Entrez Gene ID	1474
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UniProt ID	Q15828
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Function	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity
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