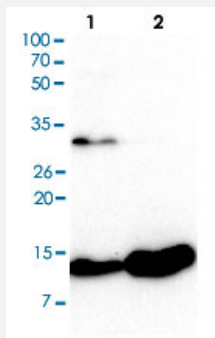


CSTB monoclonal antibody, clone 2F1

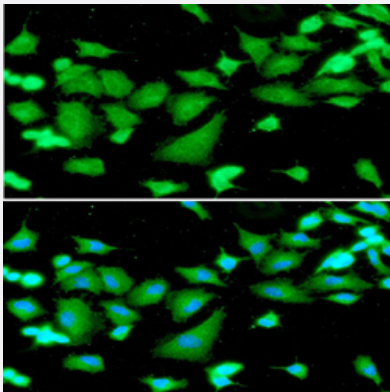
Catalog # MAB1127 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: A549 cell lysate, Lane 2: U87MG cell lysate.



Immunofluorescence

Immunofluorescence analysis of A549 cells. The cell was stained with CSTB monoclonal antibody, clone 2F1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant CSTB.
Immunogen	Recombinant protein corresponding to full length human CSTB.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Isotype	IgG2b, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: A549 cell lysate, Lane 2: U87MG cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of A549 cells. The cell was stained with CSTB monoclonal antibody, clone 2F1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CSTB

Entrez GeneID	1476
GeneBank Accession#	NM_000100
Protein Accession#	NP_000091
Gene Name	CSTB
Gene Alias	CST6, EPM1, PME, STFB
Gene Description	cystatin B (stefin B)
Omim ID	254800 601145

Gene Ontology

[Hyperlink](#)

Gene Summary

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 kininogens. This gene encodes a stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). [provided by RefSeq]

Other Designations

CPI-B|cystatin B|liver thiol proteinase inhibitor|stefin B

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)