

Anti-Cystatin C Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

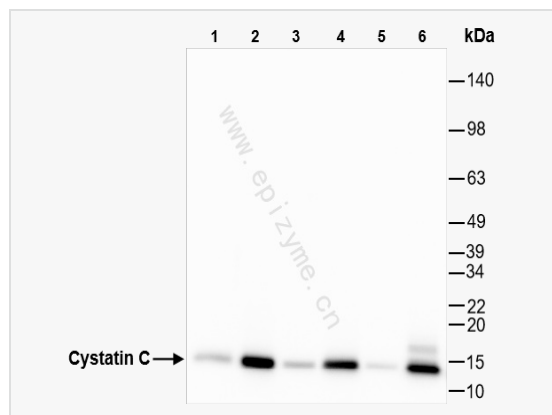
Catalog # R014416

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	31C13P16
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Cystatin C
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cystatin C Rabbit mAb [31C13P16] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AD 8, AD8, Amyloid angiopathy and cerebral hemorrhage, ARMD11, bA218C14.4 (cystatin C), bA218C14.4, Cst 3, Cst3, CST3 protein, Cystatin 3, Cystatin-3, Cystatin-C, Cystatin3, CystatinC, CYTC_HUMAN, Epididymis secretory protein Li 2, Gamma trace, Gamma-trace, HCCAA, HEL S 2, MGC117328, Neuroendocrine basic polypeptide, Post gamma globulin, Post-gamma-globulin.
Calculated MW	Calculated MW: 16 kDa; Observed MW: 14 kDa
Uniprot ID	P01034
Gene ID	1471
Background	Cystatin C is a 14 kDa member of the Cystatin superfamily of cysteine protease inhibitors. Most cell types secrete Cystatin C. Cystatin C inhibits cathepsins, and thereby may function as a tumor suppressor by inhibiting cathepsin mediated tumor cell invasion. In addition, this tumor suppressor function can also be attributed to Cystatin C's ability to antagonize TGF- β 1 signaling.
Cellular Location	Secreted.
Tissue Location	Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland.



Western Blot -Anti-Cystatin C Rabbit mAb [31C13P16]

All lanes: R014416 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

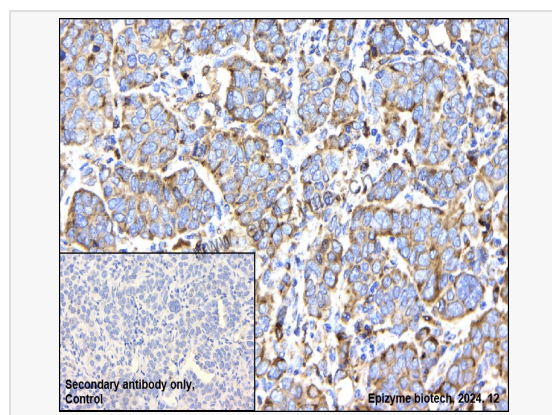
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 16 kDa

Observed band size: 14 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Cystatin C Rabbit mAb [31C13P16]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014416 at 1:200 dilution

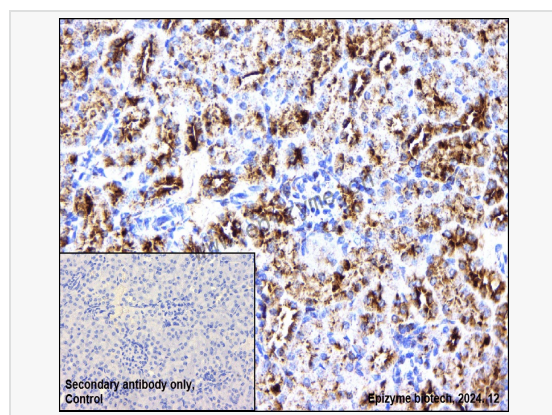
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Cystatin C Rabbit mAb [31C13P16]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014416 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.