OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA321058S

Cystatin C (CST3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Human fetal brain tissue IHC: 50-200 Positive control: Human gasrtic cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 102-118 amino acids of Human cystatin C
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16 kDa
Gene Name:	cystatin C
Database Link:	NP_000090 Entrez Gene 1471 Human P01034

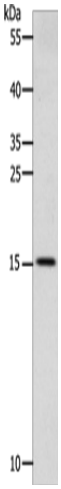
View online »

Background: 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. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes the most abundant extracellular inhibitor of cysteine proteases; which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions; establishing its role in vascular disease.

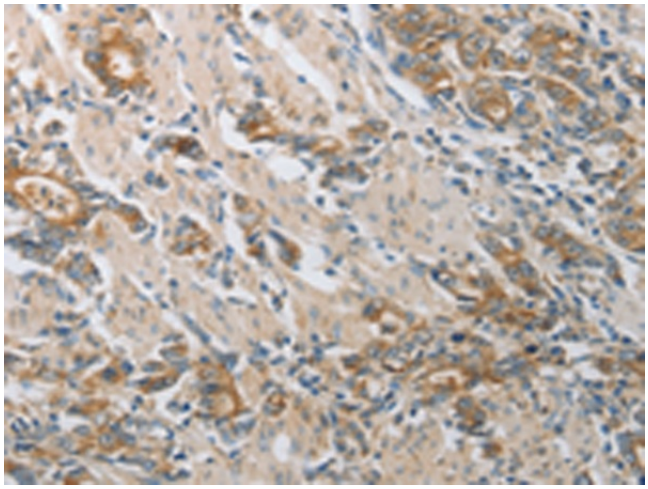
Synonyms: ARMD11; HEL-S-2

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

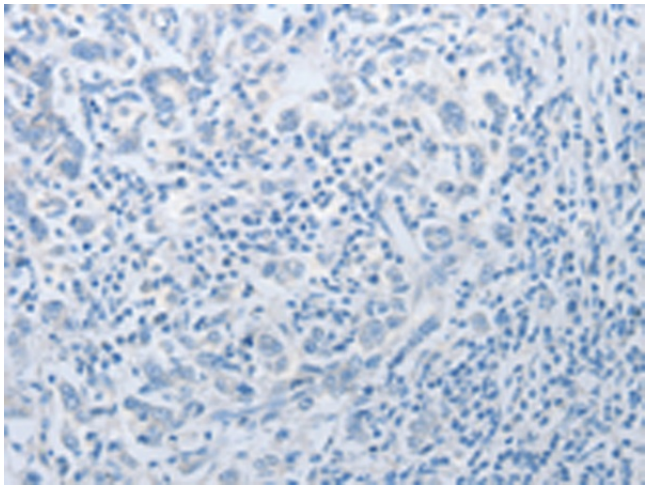
Product images:



Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane: Human fetal brain tissue
Primary antibody: [TA321058] (CST3 Antibody) at dilution 1/2400
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using [TA321058] (CST3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using [TA321058] (CST3 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)