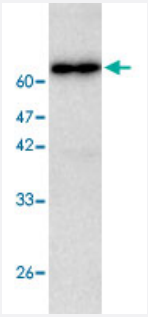
CTSC monoclonal antibody, clone 14

Catalog # MAB8780 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis in CTSC recombinant protein with CTSC monoclonal antibody, clone 14 (Cat # MAB8780) at 1 : 1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant CTSC.
Immunogen	Recombinant protein corresponding to full length human CTSC.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes recombinant protein CTSC.
Form	Liquid
Purification	Affinity purification
Concentration	1 ug/uL
Isotype	IgG2b
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In citrate-Tris-HCl, pH 7.0 (0.02% Proclin 300)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

  Western blot analysis in CTSC recombinant protein with CTSC monoclonal antibody, clone 14 (Cat # MAB8780) at 1 : 1000 dilution.

Gene Info — CTSC

Entrez GeneID	1075
Protein Accession#	NM_001814.4
Gene Name	CTSC
Gene Alias	CPPI, DPP1, DPPI, HMS, JP, JPD, PALS, PLS
Gene Description	cathepsin C
Omim ID	170650 245000 245010 602365
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in im mune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the propeptide acts as an intra molecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been sh own to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. Multiple transcript variants encoding different isoform s have been found for this gene. [provided by RefSeq
Other Designations	cathepsin J|dipeptidyl transferase|dipeptidyl-peptidase I

Pathway

- Lysosome

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Disease

- Acute Disease
- Cardiovascular Diseases
- Chronic Disease
- Genetic Predisposition to Disease
- Inflammation
- Liver Diseases
- Periodontitis

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