



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CTSK monoclonal antibody (M01), clone 2F1

Catalog # : H00001513-M01

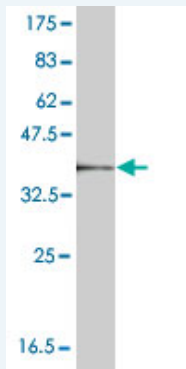
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CTSK.
Immunogen:	CTSK (AAH16058, 220 a.a. ~ 329 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	KCRGYREIPEGNEKALKRAVARVGPVSVDAIDASLTSFQFYSGVYYDES CNSDNLNHAVLAVGYGIQKGNKHWHIKNWGENWGNKGYILMARNKNNNA CGIANLASFPKM
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.95 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

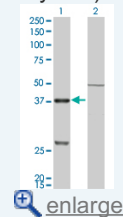
1. Simultaneous expression of Cathepsins B and K in pulmonary adenocarcinomas and squamous cell carcinomas predicts poor recurrence-free and overall survival.
Cordes C, Bartling B, Simm A, Afar D, Lautenschlager C, Hansen G, Silber RE, Burdach S, Hofmann HS. Lung Cancer. 2009 Apr;64(1):79-85. Epub 2008 Aug 29.

Applications

Western Blot (Transfected lysate)

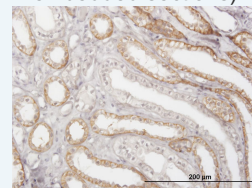
Application Image

Western Blot (Transfected lysate)

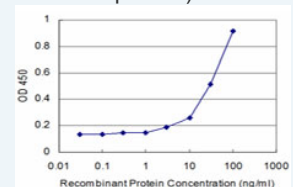


Western Blot (Recombinant protein)

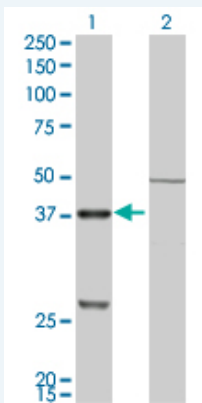
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Sandwich ELISA (Recombinant protein)



ELISA



Western Blot analysis of CTSK expression in transfected 293T cell line by CTSK monoclonal antibody (M01), clone 2F1.

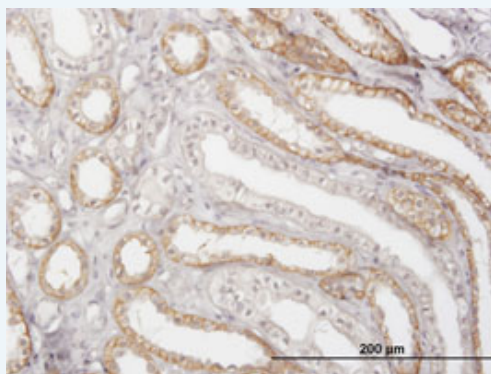
Lane 1: CTSK transfected lysate(37 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

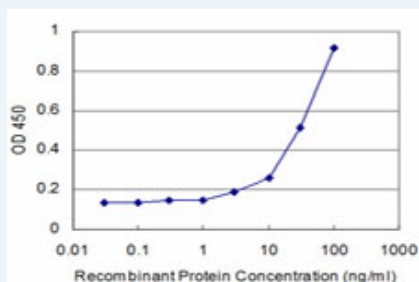


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to CTSK on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged CTSK is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1513](#)

GeneBank [BC016058](#)
Accession#:

Protein [AAH16058](#)
Accession#:

Gene Name: CTSK

Gene Alias: CTS02,CTSO,CTSO1,CTSO2,MGC23107,PKND,PYCD

Gene Description: cathepsin K

Omim ID: [265800](#), [601105](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. This gene may be subject to RNA editing. [provided by RefSeq]

Other Designations: OTTHUMP00000032938,cathepsin O1,cathepsin O2,cathepsin X

Gene Pathway

[Lysosome](#)

Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Body Weight](#) [Cardiovascular Diseases](#)
[Diabetes Complications](#) [Diabetes Mellitus, Type 2](#) [Edema](#)
[Genetic Predisposition to Disease](#) [Metabolic Syndrome X](#) [Neoplasms](#) [Osteoporosis](#)
[Ovarian Neoplasms](#)

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