

Anti-MMP14/Mt1 Mmp Rabbit Monoclonal Antibody

Catalog Number: M00656

About MMP14

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

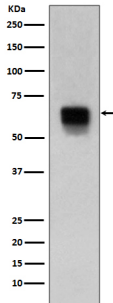
Product Name	Anti-MMP14/Mt1 Mmp Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MMP14/Mt1 Mmp Rabbit Monoclonal Antibody catalog # M00656. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal BFD-13
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P50281

Technical Details

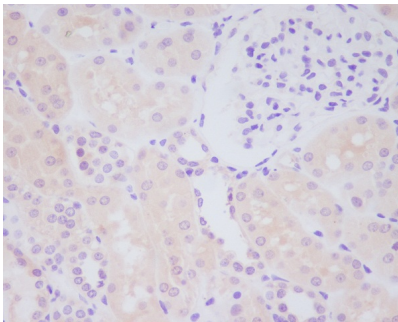
Immunogen	A synthesized peptide derived from human MMP14
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
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Anti-MMP14/Mt1 Mmp Rabbit Monoclonal Antibody (M00656) Images



Western blot analysis of MMP14 expression in human spleen lysate.



Immunohistochemical analysis of paraffin-embedded human kidney, using MMP14 Antibody.

4 Publications Citing This Product

1. PubMed ID: 27453531, The inhibition of calpains ameliorates vascular restenosis through MMP2/TGF- β 1 pathway
2. PubMed ID: 24573354, Xiao H, Li H, Yu G, Xiao W, Hu J, Tang K, Zeng J, He W, Zeng G, Ye Z, Xu H. *Oncol Rep.* 2014 Apr;31(4):1832-8. Doi: 10.3892/Or.2014.3048. Epub 2014 Feb 24. MicroRNA-10B Promotes Migration And Invasion Through Klf4 And Hoxd10 In Human Bladder Cancer.
3. PubMed ID: 24765144, Zhou H, Wu A, Fu W, Lv Z, Zhang Z. *Oncol Lett.* 2014 May;7(5):1395-1400. Epub 2014 Feb 27. Significance Of Semaphorin-3A And Mmp-14 Protein Expression In Non-Small Cell Lung Cancer.

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