

Product Datasheet

Calpain 9 Antibody (3A6) - Azide and BSA Free H00010753-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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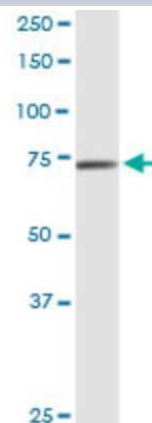
H00010753-M02

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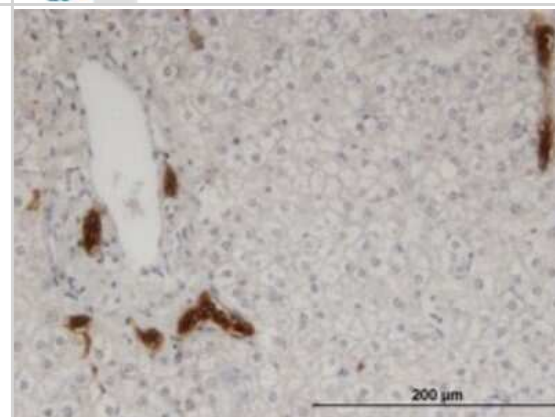
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3A6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	10753
Gene Symbol	CAPN9
Species	Human, Mouse
Specificity/Sensitivity	CAPN9 - calpain 9
Immunogen	CAPN9 (NP_006606, 591 a.a. ~ 690 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DKLKQWINLFLRFDADKSGTMSTYELRTALKAAAGFQLSSHLLQLIVLRYADEEL QLDFDDFLNCLVRLLENASRVFQALSTKNKEFIHLNINEFIHLMNI
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1 ug/ml
Application Notes	Antibody reactive against recombinant protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control.

Images

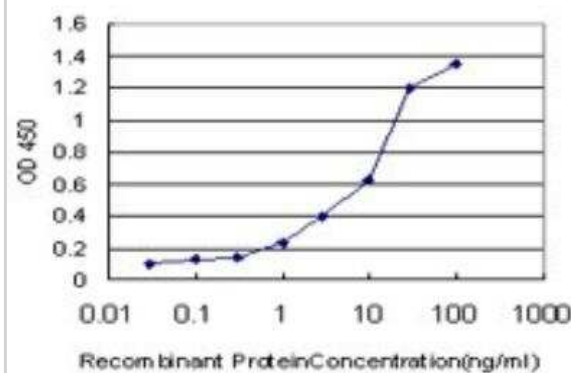
Western Blot: Calpain 9 Antibody (3A6) [H00010753-M02] - CAPN9 monoclonal antibody (M02), clone 3A6. Analysis of CAPN9 expression in human colon.



Immunohistochemistry-Paraffin: Calpain 9 Antibody (3A6) [H00010753-M02] - Analysis of monoclonal antibody to CAPN9 on formalin-fixed paraffin-embedded human liver. Antibody concentration 1 ug/ml.



ELISA: Calpain 9 Antibody (3A6) [H00010753-M02] - Detection limit for recombinant GST tagged CAPN9 is approximately 0.1ng/ml as a capture antibody.



Publications

Kim D, Beckett J, Nagpal V et al. Calpain 9 as a therapeutic target in TGF β -induced mesenchymal transition and fibrosis. *Sci Transl Med.* 2019-07-17 [PMID: 31316008]

Hata S, Abe M, Suzuki H et al. Calpain 8/nCL-2 and Calpain 9/nCL-4 Constitute an Active Protease Complex, G-Calpain, Involved in Gastric Mucosal Defense. *PLoS Genet.* 2010-07-29 [PMID: 20686710]

Storr SJ, Pu X, Davis J et al. Expression of the calpain system is associated with poor clinical outcome in gastro-oesophageal adenocarcinomas. *J Gastroenterol.* 2013-01-19 [PMID: 23329366]

Davis J, Martin SG, Patel PM et al. Low calpain-9 is associated with adverse disease-specific survival following endocrine therapy in breast cancer. *BMC Cancer.* 2014-12-23 [PMID: 25539577]

Chen CJ, Nguyen T, Shively JE. Role of calpain-9 and PKC-delta in the apoptotic mechanism of lumen formation in CEACAM1 transfected breast epithelial cells. *Exp Cell Res.* 2009-11-01 [PMID: 19909740]



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Products Related to H00010753-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP3-17691PEP	Calpain 9 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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