

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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Publications: 5

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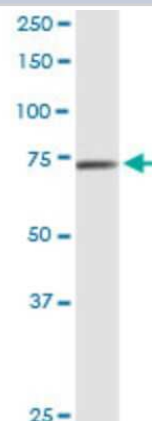
H00010753-M02**Calpain 9 Antibody (3A6) - Azide and BSA Free**

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	
Description	Novus Biologicals Mouse Calpain 9 Antibody (3A6) - Azide and BSA Free (H00010753-M02) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Calpain 9 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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. DKLKQWINLFLRFDADKSGTMSTYELRTALKAAGFQLSSHLLQLIVLRYADEEL QLDFDDFLNCLVRLENASRVFQALSTKNKEFIHLNINEFIHLMNI
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
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.

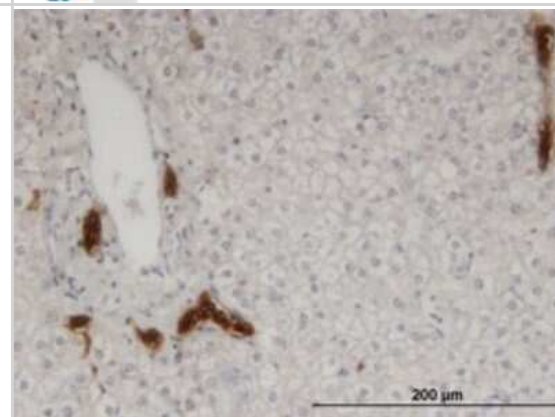


Images

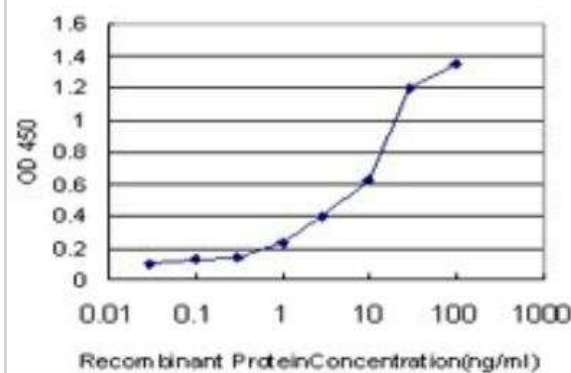
Western Blot: Calpain 9 Antibody (3A6) [H00010753-M02] - CAPN9 monoclonal antibody (M02), clone 3A6. Analysis of CAPN9 expression in human colon.



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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