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CAPN9 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7310a

Specification

CAPN9 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O14815
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**79097**
Antigen Region	**49-78**

CAPN9 Antibody (N-term) - Additional Information

Gene ID 10753

Other Names
Calpain-9, 3422-, Digestive tract-specific calpain, New calpain 4, nCL-4, Protein CG36, CAPN9, NCL4

Target/Specificity
This CAPN9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-78 amino acids from the N-terminal region of human CAPN9.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CAPN9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CAPN9 Antibody (N-term) - Protein Information

Name CAPN9

Synonyms NCL4

Function Calcium-regulated non-lysosomal thiol-protease.

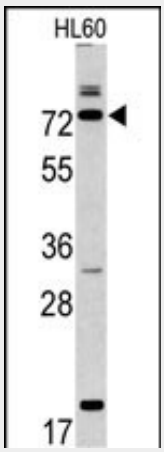
Tissue Location
Expressed predominantly in stomach.

CAPN9 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAPN9 Antibody (N-term) - Images



Western blot analysis of CAPN9 antibody (N-term) (Cat.#AP7310a) in HL60 cell line lysates (35ug/lane). CAPN9 (arrow) was detected using the purified Pab.

CAPN9 Antibody (N-term) - Background

CAPN9 has been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This protein is thought to be associated with gastric cancer.

CAPN9 Antibody (N-term) - References

Huang,Y. and Wang,K.K. Trends Mol Med 7 (8), 355-362 (2001)
Lee,H.J., Tomioka,S. Arch. Biochem. Biophys. 362 (1), 22-31 (1999)
Lee,H.J., Sorimachi,H. Biol. Chem. 379 (2), 175-183 (1998)
Suzuki,K., Sorimachi,H. Biol. Chem. Hoppe-Seyler 376 (9), 523-529 (1995)