CAPN9 Rabbit pAb

Catalog NO.: A17085

Basic Information

Observed MW
Refer to figures

Calculated MW
79kDa

Category
Polyclonal Antibodies

Applications
IHC-P, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

Background

Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This gene is thought to be associated with gastric cancer. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

IHC-P	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
10753

Swiss Prot
O14815

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
GC36; nCL-4; CAPN9

Contact

Product Information

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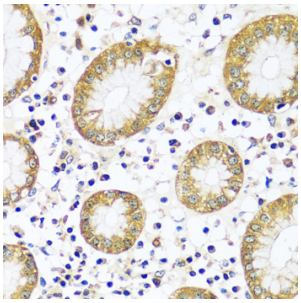
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human stomach using CAPN9 Rabbit pAb (A17085) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

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