

Datasheet for ABIN7266035
anti-Calpain 9 antibody (AA 391-690)



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Overview

Quantity:	100 µL
Target:	Calpain 9 (CAPN9)
Binding Specificity:	AA 391-690
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	CAPN9 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 391-690 of human CAPN9 (NP_006606.1).
Sequence:	QECSFLVAL MQKDRRKLKR FGANVLTIGY AIYECSDKDE HLNKDFFRYH ASRARSKTFI NLREVSDRFK LPPGEYILIP STFEPHQEAD FCLRIFSEKK AITRDMDGNV DIDLPEPPKP TPPDQETEEE QRFRALFEQV AGEDMEVTAE ELEYVLANVL QKKKDIKFKK LSLISCKNII SLMDTSGNGK LEFDEFKVFVW DKLKQWINLF LRFADKSGT MSTYELRTAL KAAGFQLSSH LLQLIVLRYA DEELQLDFDD FLNCLVRLN ASRVFQALST KNKEFIHLNI NEFIHLMNI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: Calpain 9 (CAPN9)

Alternative Name: CAPN9 ([CAPN9 Products](#))

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.,CAPN9,GC36,nCL-4,calpain-9,Signal Transduction,Cell Biology & Developmental Biology,Ubiquitin,Neuroscience,Calcium Signaling,CAPN9

Molecular Weight: 76kDa/79kDa

Gene ID: 10753

UniProt: [O14815](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.