

CAPN10 mouse monoclonal antibody (hybridoma)

Catalog # H00011132-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CAPN10.
Immunogen	CAPN10 (NP_075571.1, 1 a.a. ~ 672 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRAGRGATPARELFRDAAFPAADSSLFCDLSTPLAQFREDITWRRPQEICATPRLFPDDPREGQVKQGLLGDCWFLCACAAALQKSRHLLDQVIPPQGQPSWADQEYRGSFTCRWQFGRWVEVTTDDR LPCLAGRLCFSRCQREDVFWLPLLEKVYAKVHGSEYHLWAGQVADALVDLTGGLAERWNLKGV AGSGGQQDRPGRWEHRTCRQLLHLKDQCLISCCVLSPRAGARELGEFHAFVSDLRELQQQAG QCILLRIQNPWGRRCWQGLWREGGEGWSQVDAAVASELLSQLQEGEFWEEEEFLREFDELT VGYPVTEAGHLQSLYTERLLCHTRALPGAWVKGQSAGGCRNNSGFPSNPKFWLRVSEPSEVYIA VLQRSRLHAADWAGRARALVGDSHTSWSPASIPGKHYQAVGLHLWKVEKRRVNLPRVLSMPPV AGTACHAYDREVHLRCELSPGYLAVPSTFLKDAPGEFLLRVFSTGRVSLSAIRAVAKNTTPGAAL PAGEWGTVQLRGSWRVGQTAGGSRNFASYPTNPCFPFSVPEGPGRVCVRITLHQHCRPSDTEF HPIGHFHFQVEGGRSQDAPLLLQEPLLSVCVPHRYAQEVSRCLLPAGTYKVVPSTYLPDTEGAF TVTIATRDRPSIHSQEMLGQFLQEVSVMAVMKT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (81)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CAPN10

Entrez GeneID [11132](#)

GeneBank Accession# [NM_023083.2](#)

Protein Accession# [NP_075571.1](#)

Gene Name CAPN10

Gene Alias -

Gene Description calpain 10

Omim ID [601283](#) [605286](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 catalytic subunit has four domains: domain I, the N-terminal regulatory domain that is processed upon calpain activation; domain II, the protease domain; domain III, a linker domain of unknown function; and domain IV, the calmodulin-like calcium-binding domain. This gene encodes a large subunit. It is an atypical calpain in that it lacks the calmodulin-like calcium-binding domain and instead has a divergent C-terminal domain. It is similar in organization to calpains 5 and 6. This gene is associated with type 2 or non-insulin-dependent diabetes mellitus (NIDDM) and located within the NIDDM1 region. Multiple alternative transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000164509|calcium-activated neutral protease

Disease

- [Adrenal hyperplasia](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Arteriosclerosis](#)

- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hirsutism](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)

- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Taste](#)