

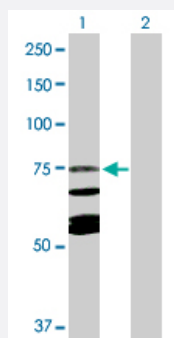
MaxPab®

CAPN10 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00011132-D01P

Size 100 ug

Applications

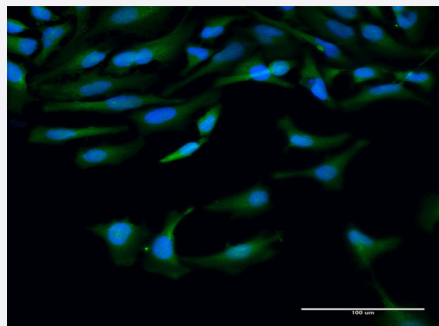


Western Blot (Transfected lysate)

Western Blot analysis of CAPN10 expression in transfected 293T cell line ([H00011132-T02](#)) by CAPN10 MaxPab polyclonal antibody.

Lane 1: CAPN10 transfected lysate(74.90 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CAPN10 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CAPN10 protein.

Immunogen

CAPN10 (NP_075571.1, 1 a.a. ~ 672 a.a) full-length human protein.

Sequence	MRAGRGATPARELFRDAAFPAAADSSLFCDLSTPLAQFREDITWRRPQEICATPRLFPDDPREGQ VKQGLLGDCWFLCACAALQKSRHLLDQVIPPQQPSWADQEYRGSFTCRWQFGRWVEVTDDR LPCLAGRLCFSRCQREDVFWLPLLEKVYAKVHGSYEHFWAGQVADALVDLTGGLAERWNLKGV AGSGGQQDRPGRWEHRTCRQLLHLKDQCLISCCVLSPRAGARELGEFHAFIVSDLRELQGGAG QCILLRQNPWGRRCWQGLWREGGEGWSQVDAAVASELLSQLQEGEFWVEEEFLREFDELT VGYPVTEAGHLQSLYTERLLCHTRALPGAWVKGQSAGGCRNNSGFSPNPKFWLRVSEPSEVYIA VLQRSRLHAADWAGRARALVGDSHTSWSPASIPGKHYQAVGLHLWKVEKRRVNLPRVLSMPPV AGTACHAYDREVHLRCELSPGYLAVPSTFLKDAPGEFLLRVFSTGRVSLSAIRAVAKNTTPGAAL PAGEWGTVQLRGSWRVGQTAGGSRNFASYPTNPCFPFSVPEGPGRVCVRITLHQHCRPSDTEF HPIGFHIFQVPEGGRSQDAPLLLQEPLLSCVPHRYAQEVSRCLLLPAGTYKVVPSTYLPDTEGAF TVTIATRDRPSIHSQEMLGQFLQEVSVMAVMKT
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CAPN10 on HeLa cell. [antibody concentration 30 ug/ml]

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](#)