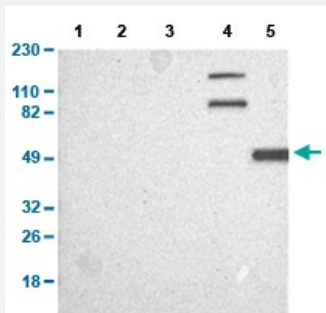


CAPN10 polyclonal antibody

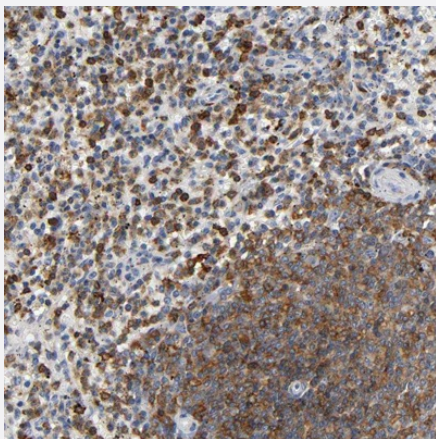
Catalog # PAB31110 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) human cell line RT-4, (2) human cell line U-251MG sp, (3) human plasma (IgG/HSA depleted), (4) human liver tissue, and (5) human tonsil tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen shows strong cytoplasmic positivity in cells in red and white pulp.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CAPN10.
Immunogen	Recombinant protein corresponding to amino acids 146-245 of human CAPN10.
Sequence	FWLPLLEKVYAKVHGSYEHLWAGQVADALVDLTGGLAERWNLKGVAGSGGQQDRPGRWEHRT CRQLHLKDQCLISCCVLSPRAGARELGEFHAFVSDL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of (1) human cell line RT-4, (2) human cell line U-251MG sp, (3) human plasma (IgG/HSA depleted), (4) human liver tissue, and (5) human tonsil tissue.

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Gene Info — CAPN10

Entrez GeneID	11132
Protein Accession#	Q9HC96
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](#)