

# CAPN8 Polyclonal antibody

Catalog Number: 20971-1-AP

## Basic Information

**Catalog Number:**

20971-1-AP

**Size:**

200 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001143962

**GeneID (NCBI):**

388743

**UNIPROT ID:**

A6NHCO

**Full Name:**

calpain 8

**Calculated MW:**

79 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

**IHC** : mouse stomach tissue, human stomach cancer tissue

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CAPN8 (Calpain-8) was found to be a significant risk factor for THCA (Thyroid cancer) with a markedly elevated level of mRNA and protein in tumor tissues. This potential oncogene could induce the activation of epithelial mesenchymal transition and E2F-targeted pathways (PMID:36389799).

## Storage

**Storage:**

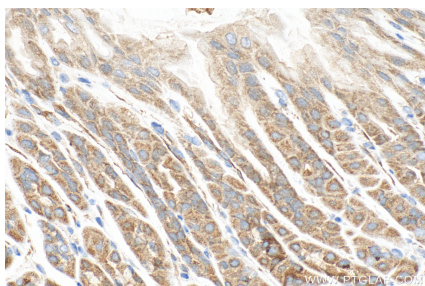
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

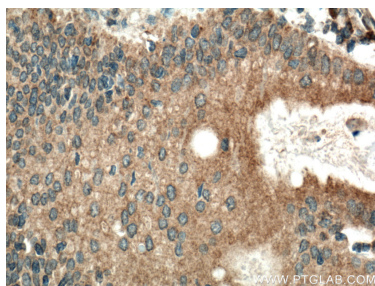
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 20971-1-AP (CAPN8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20971-1-AP (CAPN8 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).