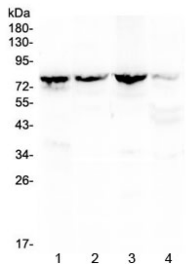
Calpain 2 Antibody / CAPN2 (R32944)

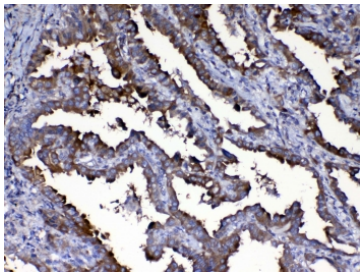
Catalog No.	Formulation	Size
R32944	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

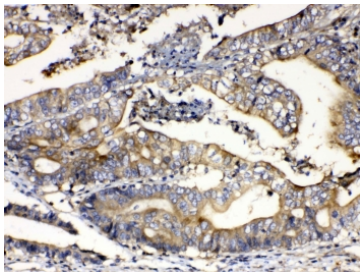
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P17655
Localization	Cytoplasmic
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml
Limitations	This Calpain 2 antibody is available for research use only.



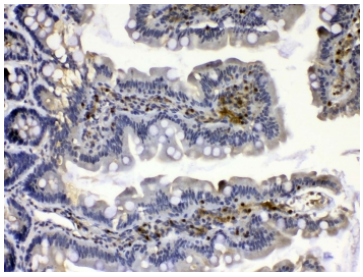
Western blot testing of 1) rat kidney, 2) mouse kidney, 3) mouse lung and 4) human MCF7 lysate with Calpain 2 antibody at 0.5ug/ml. Predicted molecular weight ~80 kDa.



IHC testing of FFPE human lung cancer tissue with Calpain 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human intestinal cancer tissue with Calpain 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat small intestine tissue with Calpain 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Calpain-2 catalytic subunit is a protein that in humans is encoded by the CAPN2 gene. The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported.

Application Notes

Optimal dilution of the Calpain 2 antibody should be determined by the researcher.

Immunogen

A recombinant protein corresponding to amino acids R500-L700 was used as the immunogen for the Calpain 2 antibody.

Storage

After reconstitution, the Calpain 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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