

## ARG40370 anti-Calpain 2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Calpain 2
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Calpain 2
Species	Human
Immunogen	Recombinant protein corresponding to R500-L700 of Human Calpain 2.
Conjugation	Un-conjugated
Alternate Names	CANP2; Calpain-2 large subunit; Calpain-2 catalytic subunit; EC 3.4.22.53; Millimolar-calpain; M-calpain; mCANP; Calpain large polypeptide L2; Calpain M-type; CANP 2; CANPL2; CANPml; Calcium-activated neutral proteinase 2

### Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>0.5 - 1 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	0.5 - 1 µg/ml
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IHC-P	0.5 - 1 µg/ml				
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

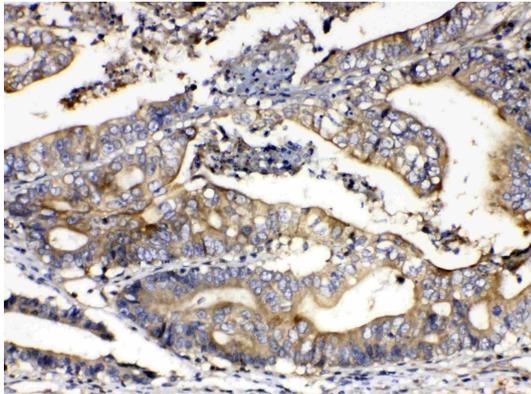
## Bioinformation

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Gene Symbol	CAPN2
Gene Full Name	calpain 2, (m/II) large subunit
Background	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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Function	Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226'. [UniProt]
Calculated Mw	80 kDa
Cellular Localization	Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding. [UniProt]

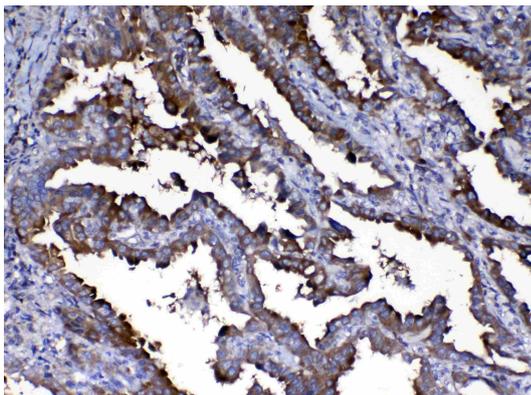
## Images

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ARG40370 anti-Calpain 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40370 anti-Calpain 2 antibody at 1 µg/ml, overnight at 4°C.



ARG40370 anti-Calpain 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40370 anti-Calpain 2 antibody at 1 µg/ml, overnight at 4°C.