

Product datasheet for **TA804810AM**

Calpain 5 (CAPN5) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI7D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7D2
Applications:	IHC
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 274-578 of human CAPN5 (NP_004046) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73 kDa
Gene Name:	calpain 5
Database Link:	NP_004046 Entrez Gene 12337 Mouse Entrez Gene 171495 Rat Entrez Gene 726 Human O15484
Background:	Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to <i>Caenorhabditis elegans</i> sex determination gene <i>tra-3</i> , CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008]

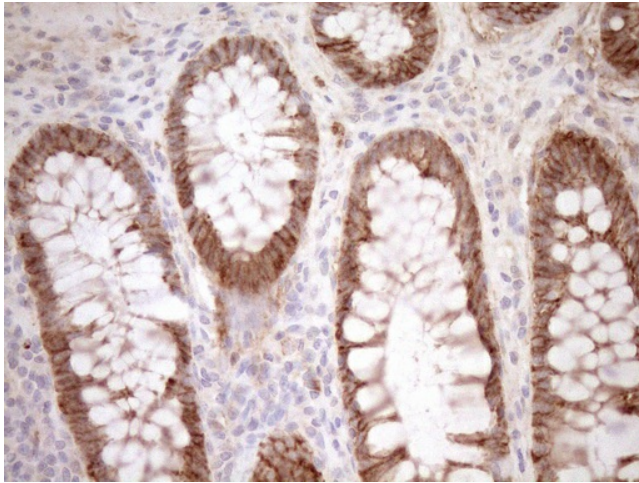


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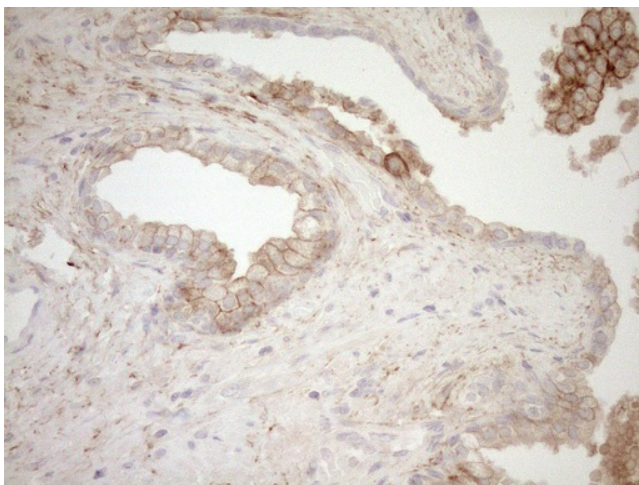
Synonyms: ADNIV; HTRA3; nCL-3; VRNI

Protein Families: Druggable Genome, Protease

Product images:



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CAPN5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA804810]) (1:150)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-CAPN5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA804810]) (1:150)