

Product datasheet for **TA308681**

Calpain 5 (CAPN5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 1 and 45 of Calpain 5 (Uniprot ID#O15484)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
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 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 tra-3, CAPN5 is also called as HTRA3. [provided by RefSeq]
Synonyms:	ADNIV; HTRA3; nCL-3; VRNI

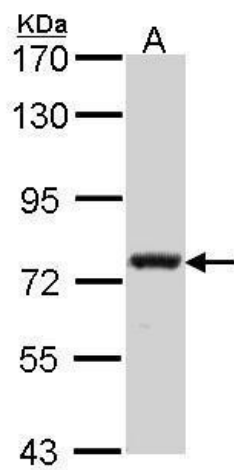


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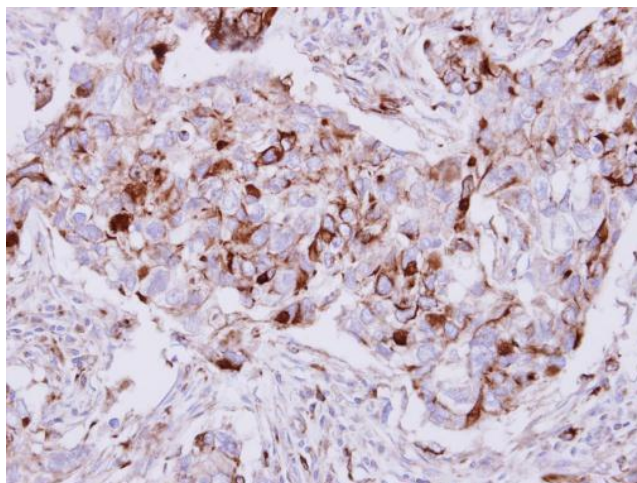
Note: Seq homology of immunogen across species: Mouse (86%), Bovine (93%)

Protein Families: Druggable Genome, Protease

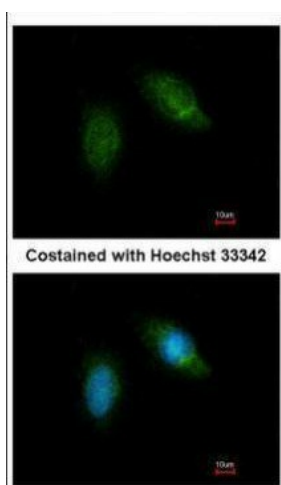
Product images:



Sample (30 ug of whole cell lysate). A: A431. 7.5% SDS PAGE. Calpain 5 antibody. TA308681 diluted at 1:500.



Immunohistochemical analysis of paraffin-embedded Breast ca, using Calpain 5 (TA308681) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using Calpain 5 (TA308681) antibody at 1:200 dilution.