

## Product datasheet for **TA308682**

### Calpain 5 (CAPN5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Rat, Xenopus, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 381 of Calpain-5 (Uniprot ID#O15484)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 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:	<a href="#">NP_004046</a> <a href="#">Entrez Gene 12337 MouseEntrez Gene 171495 RatEntrez Gene 726 Human O15484</a>
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]
Synonyms:	ADNIV; HTRA3; nCL-3; VRNI

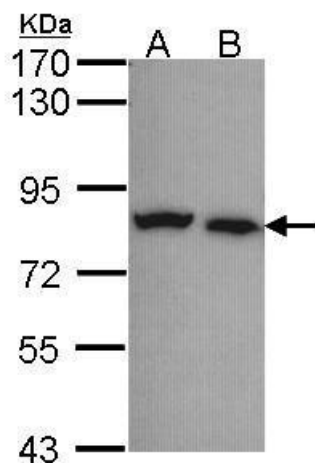


[View online »](#)

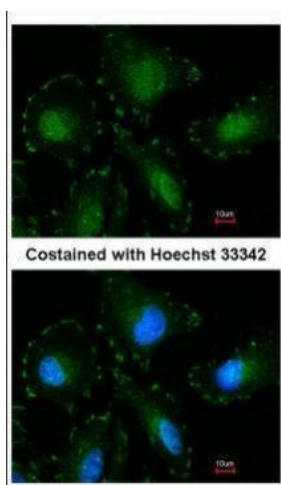
**Note:** Seq homology of immunogen across species: Mouse (93%), Rat (90%), Xenopus laevis (81%), Bovine (95%)

**Protein Families:** Druggable Genome, Protease

**Product images:**



Sample (30 ug of whole cell lysate). A: A431. B: H1299. 7.5% SDS PAGE. Calpain-5 antibody. TA308682 diluted at 1:1000.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using Calpain-5 (TA308682) antibody at 1:100 dilution.