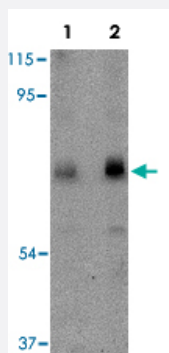


# CAPN6 polyclonal antibody

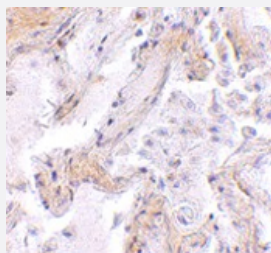
Catalog # PAB16543      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of CAPN6 in rat lung tissue lysate with CAPN6 polyclonal antibody (Cat # PAB16543) at (Lane 1) 0.5 and (Lane 2) 1 ug/mL .



### Immunohistochemistry

Immunohistochemistry of CAPN6 in human lung tissue with CAPN6 polyclonal antibody (Cat # PAB16543) at 2.5 ug/mL .

## Specification

**Product Description** Rabbit polyclonal antibody raised against synthetic peptide of CAPN6.

**Immunogen** A synthetic peptide corresponding to C-terminus 18 amino acids of human CAPN6.

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Form** Liquid

**Recommend Usage** Western Blot (0.5-1 ug/mL)  
The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of CAPN6 in rat lung tissue lysate with CAPN6 polyclonal antibody (Cat # PAB16543) at (Lane 1) 0.5 and (Lane 2) 1 ug/mL .

- Immunohistochemistry

Immunohistochemistry of CAPN6 in human lung tissue with CAPN6 polyclonal antibody (Cat # PAB16543) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CAPN6

Entrez GeneID	<a href="#">827</a>
Protein Accession#	<a href="#">NP_055104</a>
Gene Name	CAPN6
Gene Alias	CANPX, CAPNX, CalpM, DJ914P14.1
Gene Description	calpain 6
Omim ID	<a href="#">300146</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits . The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. It also lacks critical active site residues and thus is suggested to be proteolytically inactive. [provided by RefSeq]
Other Designations	OTTHUMP00000023858 calpain-like protease calpamodulin

## Publication Reference

- [Identification of host proteins required for HIV infection through a functional genomic screen.](#)

Brass AL, Dykxhoorn DM, Benita Y, Yan N, Engelman A, Xavier RJ, Lieberman J, Elledge SJ.

Science 2008 Jan; 319(5865):921.

- [Topological variation in single-gene phylogenetic trees.](#)

Castresana J.

Genome Biology 2007 Jun; 8(6):216.

- [Calpain 6 is involved in microtubule stabilization and cytoskeletal organization.](#)

Tonami K, Kurihara Y, Aburatani H, Uchijima Y, Asano T, Kurihara H.

Molecular and Cellular Biology 2007 Apr; 27(7):2548.

Application: IF, WB-Tr, Mouse, NIH3T3 cells

## Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)