CAPN6 Antibody

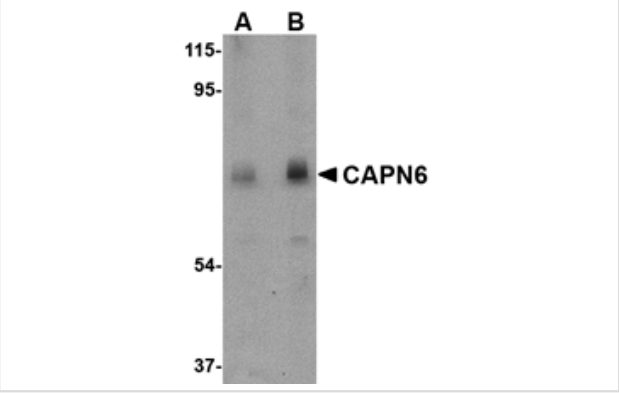
Catalog No: #24738

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

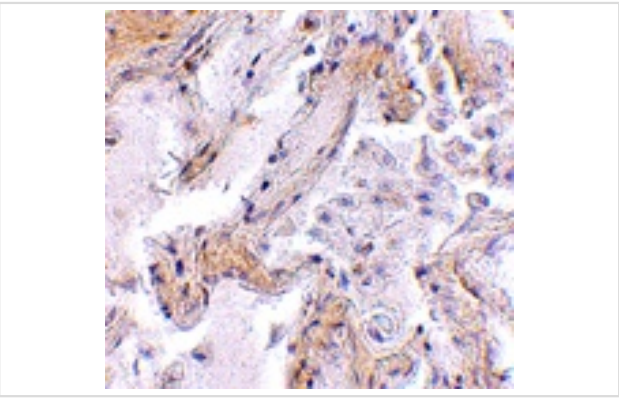
Description

Product Name	CAPN6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	CAPN6 Antibody is Protein A purified.
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the carboxy terminus of human CAPN6.
Target Name	CAPN6
Other Names	CAPN6, Calpain 6, CANPX, CalpM
Accession No.	Swiss-Prot:Q9Y6Q1Gene ID:827
Uniprot	Q9Y6Q1
GeneID	827;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of CAPN6 in rat lung tissue lysate with CAPN6 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of CAPN6 in human lung tissue with CAPN6 antibody at 2.5 ug/mL.

Background

Calpains make up a ubiquitously expressed, well-conserved family of calcium-dependent cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. This 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. Calpain 6 (CAPN6) is most similar to Calpain 5; the C-terminal region of CAPN6 lacks homology to the calmodulin-like domain of other vertebrate calpains. CAPN6 is thought to be involved in the regulation of microtubule dynamics and cytoskeletal organization. CAPN6 has also been recently identified as an HIV dependency factor (HDF), suggesting that CAPN6 may be an important drug target in HIV treatment.

Note: This product is for in vitro research use only