

Product datasheet for **AP22861PU-N**

Caspase 1 (CASP1) Rabbit Polyclonal Antibody

Product data:

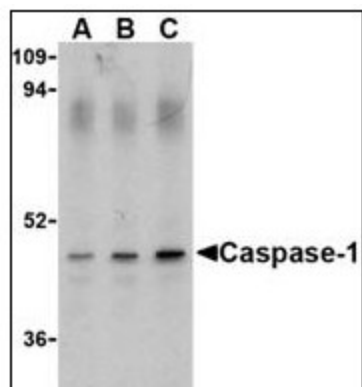
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 0.5 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	HT-29 colon carcinoma cell line.
Specificity:	This antibody reacts to Caspase 1 (CASP1).
Formulation:	PBS containing 0.02% sodium azide. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	caspase 1
Database Link:	Entrez Gene 834 Human P29466
Background:	Caspase 1, also called interleukin-1 beta converting enzyme, is a cysteine C14 endopeptidase able to process pro-interleukin-1 beta into its active form. Caspase 1 is identical to Caenorhabditis elegans cell death gene ced-3 and may be involved in apoptotic signalling. Inhibition of caspase-1 in mice models extended survival and delayed appearance of neuronal inclusions and symptoms of Huntingdon disease.
Synonyms:	CASP-1, CASP1, IL1BC, IL1BCE, ICE, p45
Protein Families:	Druggable Genome, Protease



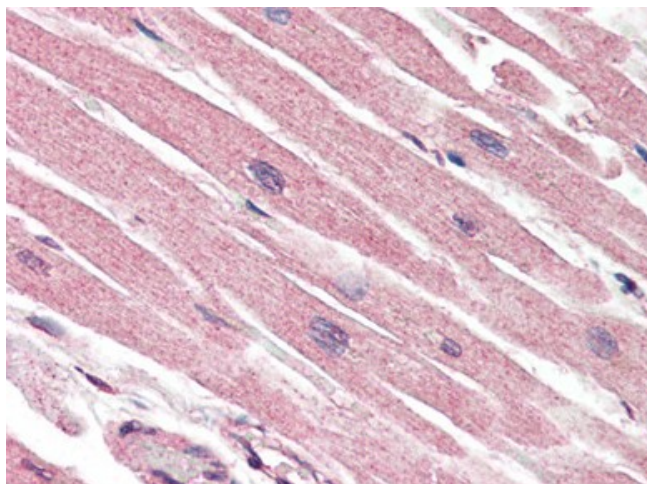
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Protein Pathways: Amyotrophic lateral sclerosis (ALS), Cytosolic DNA-sensing pathway, NOD-like receptor signaling pathway

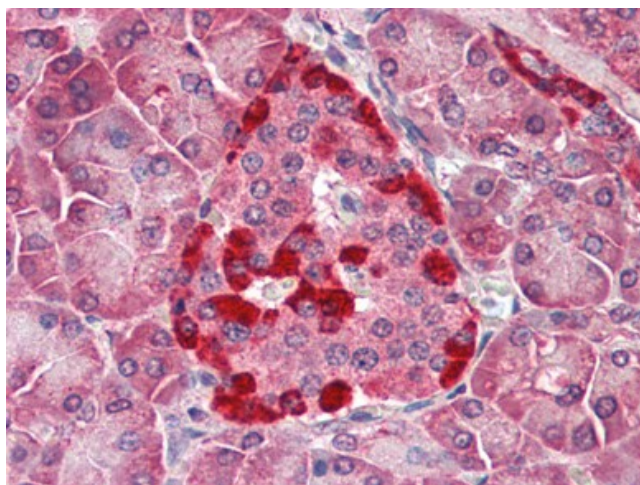
Product images:



Western blot analysis of caspase-1 in HeLa cell lysate with caspase-1 antibody (AP22861PU-N) at (A) 0.5, (B) 1, and (C) 2 µg/ml.



Human Heart (formalin-fixed, paraffin-embedded) stained with CASP1 antibody AP22861PU-N at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Pancreas (formalin-fixed, paraffin-embedded) stained with CASP1 antibody AP22861PU-N at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.