

Product datasheet for **AP22708PU-N**

APAF1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	APAF1 antibody was raised against a synthetic peptide derived from the C-terminus of human Apaf-1
Specificity:	This antibody reacts to Apoptotic Protease Activating Factor 1 (APAF1).
Formulation:	10 mM PBS, pH 7.4, BSA, 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. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	apoptotic peptidase activating factor 1
Database Link:	Entrez Gene 11783 Mouse Entrez Gene 78963 Rat Entrez Gene 317 Human O14727



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Background:

Apaf1 has been described as the core of the apoptosome. Deficiency in murine Apaf1 leads to embryonic lethality with a phenotype affecting many aspects of developmental apoptosis. In the developing brain, Apaf1 is a death regulator of the neuronal founder cells. Combined intercrosses of mouse lines mutant for members of the mitochondrial death pathway are providing us with some clues about the relative regulation existing among neuronal cell populations. Apaf1-deficient embryos display an interesting phenotype in the inner ear and in limb development, which involves different caspase-dependent and -independent pathways. Moreover, APAF1 is mutated in human melanomas, and its depletion contributes to malignant transformation in a mouse model of cancer.

Synonyms:

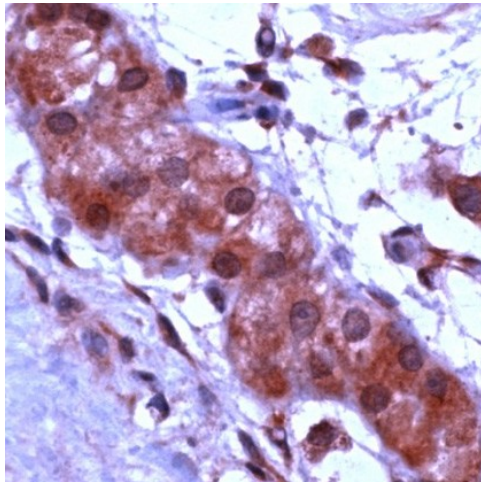
Apaf-1, KIAA0413

Protein Families:

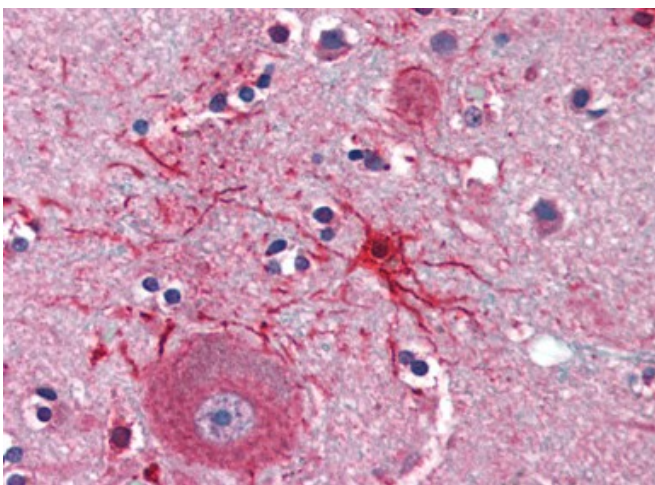
Druggable Genome

Protein Pathways:

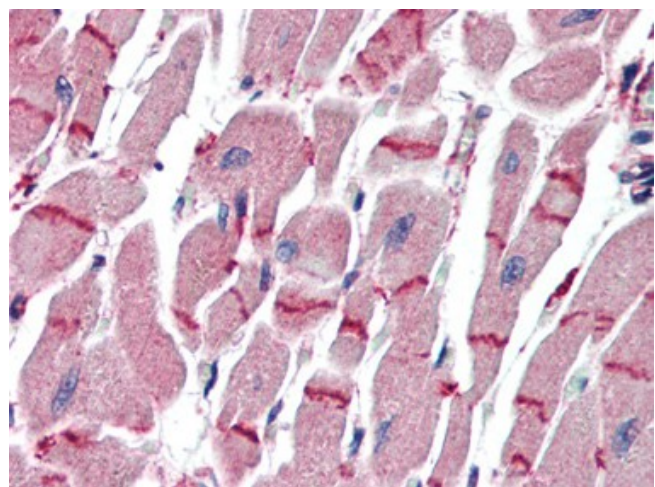
Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Huntington's disease, p53 signaling pathway, Parkinson's disease, Small cell lung cancer

Product images:

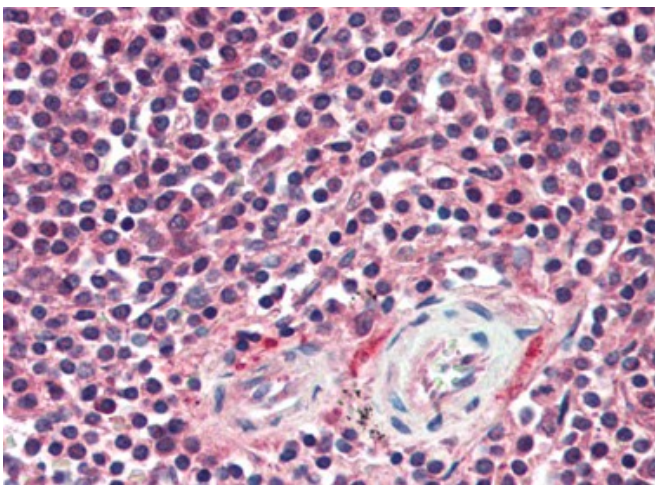
Human testis stained with Anti-Apaf-1 antibody (AP22708PU-N)



Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with APAF1 antibody AP22708PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Heart (formalin-fixed, paraffin-embedded) stained with APAF1 antibody AP22708PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Spleen (formalin-fixed, paraffin-embedded) stained with APAF1 antibody AP22708PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.