

Caspase 6/p18/p11 Polyclonal Antibody

Catalog number: 10198-1-AP

Size: 44 µg/150 µl

Source: Rabbit

Isotype: IgG

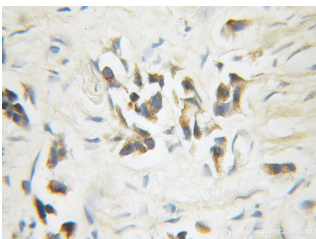
Synonyms:

CASP6; Apoptotic protease

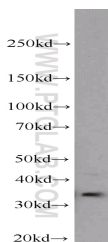
Mch 2, CASP 6, CASP6, Caspase

6, Caspase 6/p18/p11, Caspase6,

MCH2



Immunohistochemical of paraffin-embedded human prostate cancer using 10198-1-AP (CASP6 antibody) at dilution of 1:50 (under 10x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 10198-1-AP (CASP6 antibody) at dilution of 1:800

Background

Caspase-6 belongs to caspase family of cysteinyl-aspartate specific proteases. Precursor of CASP6 produces two subunits, large (18kDa) and small (16kDa) that dimerize. It cleaves poly(ADP-ribose) polymerase, as well as lamins and is involved in the activation cascade of caspases responsible for apoptosis execution. Researches showed that CASP6 could be an early instigator of neuronal dysfunction and regulates B cell activation and differentiation into plasma cells by modifying cell cycle entry. IRAK3 is an important target for CASP6. It can reveal five bands of 28, 32, 36, 49, and 64 kDa in human neurons and fetal brain in western blot, the 32 and 28 kDa bands represent procaspase-6 and pro-arm caspase-6. Procaspase-6 is more abundant than pro-arm caspase-6 in adult tissue, whereas pro-arm caspase-6 is more abundant than pro-caspase-6 in fetal brain and cultured neurons. The higher molecular mass bands at 49 and 64 kDa likely represent dimers of p28 and p32. (PMID:10438520). In rat testis, it can be detected two bands of 34 kDa and 12 kDa or 14 kDa (PMID:12538628).

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Caspase 6/p18/p11 MW:	33 kDa, 22 kDa
Observed Caspase 6/p18/p11 MW:	33-35 kDa
Positive WB detected in	Jurkat cells, HeLa cells, mouse brain tissue
Positive IHC detected in	Human prostate cancer tissue, human lung cancer tissue, human skin tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0257
GenBank accession number:	BC000305
Gene ID (NCBI):	839
Full name:	Caspase 6, apoptosis-related cysteine peptidase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.