

For Research Use Only

Caspase 4/p20/p10 Polyclonal ANTIBODY



Catalog Number: 11856-1-AP

3 Publications

Basic Information

Catalog Number:
11856-1-AP

Size:
67 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification
Immunogen Catalog Number:
AC2429

GenBank Accession Number:
BC017839

GeneID (NCBI):
837

Full Name:
caspase 4, apoptosis-related cysteine
peptidase

Calculated MW:
377aa,43 kDa

Observed MW:
48 kDa

Recommended Dilutions:

WB 1:500-1:1000
IHC 1:20-1:200
IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : SGC-7901 cells;

IHC : human pancreas cancer tissue;

IF : HepG2 cells;

Background Information

Caspase 4 (CASP4), is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspase 4 is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. Overexpression of caspase 4 will induce cell apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Lei Xin	31542790	Med Sci Monit	WB
Xiaomin Xia	30378427	Chem Res Toxicol	WB
Wei-Ye Shi	27827850	Int J Mbl Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

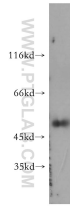
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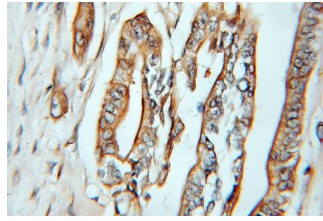
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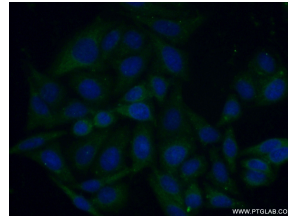
Selected Validation Data



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 11856-1-AP(CASP4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11856-1-AP(CASP4 antibody) at dilution of 1:50 (under 25x lens)



Immunofluorescent analysis of (-20) Ethanol fixed HepG2 cells using 11856-1-AP(Caspase 4/p20/p10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)