

Anti-Caspase-8 subunit p18 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 18/55 kDa. Actual: 57 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Caspase-8 subunit p18) Polyclonal Antibody, Unconjugated (TMAB-03673) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
	2. Blank control (blue line): Hep G2 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 0.1% P Dilution: 0.2 µg / 10 ⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg /test.
	3. Blank control (blue line): U251 (fixed with 70% ethanol overnight at 4°C and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature). Primary Antibody (green line): Rabbit Anti-caspase-8 antibody (TMAB-03673) Dilution: 0.2 µg / 10 ⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1 µg /test.
	4. Sample: Jurkat (Human) Cell Lysate at 30 µg K562 (Human) Cell Lysate at 30 µg U87MG (Human) Cell Lysate at 30 µg Primary: Anti-caspase-8 subunit p18 (TMAB-03673) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55/18 kD Observed band size: 57 kD
Application:	WB,IHC-P,IHC-Fr,IF,FCM
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Caspase-8 subunit p18
Antigen Species: Human
Gene ID: 841
Uniprot ID: Q14790

Research Background

Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase 8 and Caspase 9. Activated initiator caspases then process effector caspases, such as Caspase 3 and Caspase 7, which in turn cause cell collapse.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481