

20-1051: Polyclonal antibody to Caspase-10/FLICE2

Clonality :	Polyclonal
Application :	WB,IHC,IP
Reactivity :	Human
Gene :	CASP10
Gene ID :	843
Uniprot ID :	Q92851
Format :	Sera
Alternative Name :	CASP10,MCH4
Isotype :	Rabbit IgG
Immunogen Information :	A recombinant full-length human Caspase-10/FLICE2 protein was used as the immunogen for this antibody

Description

The current dogma of apoptosis suggests that the components of the core cell-death machinery are integral to cells and widely conserved across species. Caspases are typically divided into 3 major groups, depending on the structure of their prodomain and their function. Group I: inflammatory caspases (caspases 1, 4, 5, 11, 12, 14). Group II: initiator of apoptosis caspases (caspases 2, 8, 9). Group III: effector caspases (caspases 3, 6, 7). Caspases are constitutively expressed in almost all cell types as inactive proenzymes (zymogens: enzyme precursors which require a biochemical change to become active enzymes) that are processed and activated in response to a variety of pro-apoptotic or inflammatory stimuli. The procaspases (32-56 kDa) contain four domains: an N-terminal prodomain (2-25 kDa), a large subunit (p20: 17-21 kDa), a small subunit (p10: 10-13 kDa) and a short linker region between the large and small subunits. Caspase activation involves proteolytic processing of the proenzyme at specific aspartate residues between the domains. This results in removal of the prodomain as well as the linker region and formation of a heterodimer containing one large and one small subunit (p20-p10). However, caspase-10 produces, by alternative splicing, at least 12 different transcripts, all with introns, putatively encoding at least 11 different protein isoforms.

Product Info

Amount :	50 μ l
Content :	50 μ l sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200