

Caspase Family Antibody Sampler Kit

Catalog # CK6360

Kit Summary:

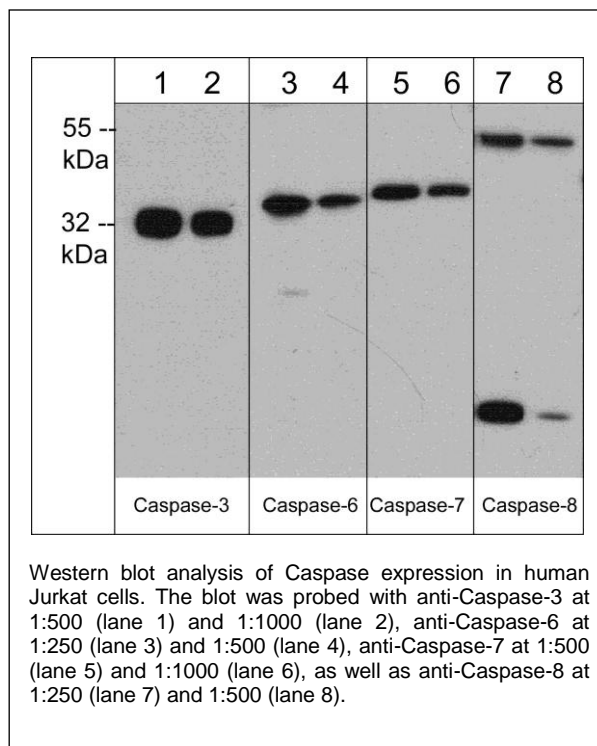
The Caspase family antibody sampler kit can be used to detect the full length and cleaved products of Caspase-3, Caspase-6, Caspase-7, and Caspase-8. The kit also includes secondary reagent for detection of these antibodies.

Background:

The caspases are a group of cysteine enzymes which cleave proteins in response to intrinsic and extrinsic pathways that cause apoptotic cell death. The caspases can be grouped into two subgroups based on their roles in apoptosis. Initiator caspases (caspases 2, 8, 9, and 10) are activated through the apoptosis-signaling pathways and activate the effector caspases (caspases 3, 6, and 7) which carry out apoptosis. Caspase cascades are initiated through assembly of multiprotein complexes that trigger activation of the initiator caspases, which are then released and are able to activate the downstream effector caspases.

References:

Salvesen, G.S. & Riedl S.J. (2008) *Adv Exp Med Biol.* 615:13.
Adams, J.M. & Cory S. (2002) *Curr Opin Cell Biol.* 14(6):715.
Shi Y. (2002) *Mol Cell.* 9(3):459.



Kit Components:

Catalog#	Description	Host	Size	Applications	Species Reactivity	MW (kDa)
CM3771	Caspase-3 (N-terminal region)	Mouse mAb	50 µl	WB, E, ICC	H	32
CM3781	Caspase-6 (C-terminal region)	Mouse mAb	50 µl	WB, E	H	34
CM3811	Caspase-7 (N-terminal region)	Mouse mAb	50 µl	WB, E, ICC	H, R, M	35
CM3821	Caspase-8 (C-terminal region)	Mouse mAb	50 µl	WB, E	H	55
MS3001	Anti-Mouse Ig:HRP	Donkey pAb	100 µl	WB, E		

Applications: WB = Western blot, E = ELISA, ICC = Immunocytochemistry. Species: H = Human, R = Rat, M = Mouse

Buffers and Storage:

Mouse monoclonal purified antibodies are supplied in phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide. Store at -20°C . Stable for 1 year.

Secondary reagent is supplied in phosphate-buffered saline, 50% glycerol, and 1 mg/ml BSA. Store at -20°C . Stable for 1 year.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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