

# Caspase-6 (C-terminal region)

Mouse Monoclonal IgG1

Cat. # CM3781

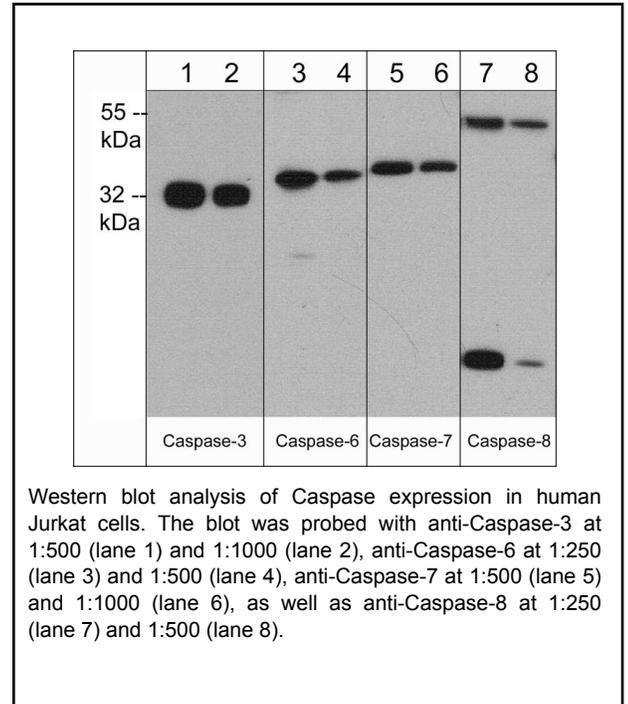
Size 100 µl

## 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.

## Background References

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



## Applications

WB 1:250  
ELISA 1:500

## Species Reactivity

Hu

## Specificity

The antibody detects a 34 kDa\* protein corresponding to the molecular weight of Caspase-6 on SDS-PAGE immunoblots of human Jurkat, K562, and A431 cells.

End user should determine optimal dilution for their particular applications and experiments.  
Western blot membranes were incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature.

\*All molecular weights (MW) are confirmed by comparison to Bio-Rad Rainbow Markers and to western blot mobilities of known proteins with similar MW.

## Immunogen

Clone (M378) was generated from a peptide containing amino acid residues in the C-terminal region of human Caspase-6.

## Buffer and Storage

Mouse monoclonal antibody purified with protein A chromatography is supplied in 100µl phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide. Store at -20°C. Stable for 1 year.

## Related Products

CK6360 Caspase Family Antibody Sampler Kit  
CM3771 Caspase-3 (N-terminal region) Mouse Monoclonal  
CM3811 Caspase-7 (N-terminal region) Mouse Monoclonal  
CM3821 Caspase-8 (C-terminal region) Mouse Monoclonal  
SM3591 Smac/DIABLO (C-terminal region) Mouse Monoclonal

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Rev 7/11/2017