

# Cytochrome c Blocking Peptide

✓ 100 µg  
(100 sections)



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**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Description:** This peptide is used to block Cytochrome c (136F3) Rabbit mAb #4280 reactivity.

**Background:** Cytochrome c is a well conserved electron-transport protein and is part of the respiratory chain localized to mitochondrial intermembrane space (1). Upon apoptotic stimulation, cytochrome c released from mitochondria associates with procaspase-9 (47 kDa)/Apaf 1. This complex processes caspase-9 from inactive proenzyme to its active form (2). This event further triggers caspase-3 activation and eventually leads to apoptosis (3).

**Quality Control:** The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry. The peptide blocks Cytochrome c (136F3) Rabbit mAb #4280 by peptide dot blot.

**Directions for Use:** Use as a blocking reagent to evaluate the specificity of antibody reactivity in peptide dot blot protocols. Recommended antibody dilutions can be found on the relevant product data sheet.

**Background References:**

- (1) Schagger H.H. et al. (2002) *Biochem. Biophys. Acta.* 1555, 154-159.
- (2) Li, P. et al. (1997) *Cell* 91, 479-489.
- (3) Liu, X. et al. (1996) *Cell* 86, 147-157.

**Entrez Gene ID** #54205  
**UniProt ID** #P99999

**Storage:** Supplied in 20 mM potassium phosphate (pH 7.0), 50 mM NaCl, 0.1 mM EDTA, 1 mg/ml BSA, 5% glycerol, and 1% DMSO. Store at -20°C.

**For product specific protocols please see the web page for this product at [www.cellsignal.com](http://www.cellsignal.com).**

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