

#12963 Store at -20C

Cytochrome c (6H2.B4) Mouse mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IP, IF-IC	H M R	Endogenous	14	Mouse IgG1	#P99999	54205

Product Usage Information

Application

Immunoprecipitation
Immunofluorescence (Immunocytochemistry)

Dilution

1:100
1:300

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity / Sensitivity

Cytochrome c (6H2.B4) Mouse mAb recognizes endogenous levels of total cytochrome c protein by immunofluorescence. This antibody is not recommended for western blot.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant rat cytochrome c protein.

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).

Background References

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

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

IP: Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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