

Cytochrome c Polyclonal Antibody

CATALOG NO:	3025-30T	30 µg (Trial size)
	3025-100	100 µg
CONCENTRATION:	0.5 mg/ml	
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide corresponding to residues surrounding amino acid 70 of rat cytochrome c	
INTERNAL ID:	BV-52	

SPECIES REACTIVITY:

Human, Mouse, Rat, Bovine, Chick, Dog, Fruit fly, Horse, Kangaroo, Monkey, Pig, Pigeon, Rabbit, Sheep, Snail, Tuna, Turkey, Yeast (*S. cerevisiae*), Zebrafish

FORMULATION:

In phosphate buffered saline (PBS), pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% Proclin.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

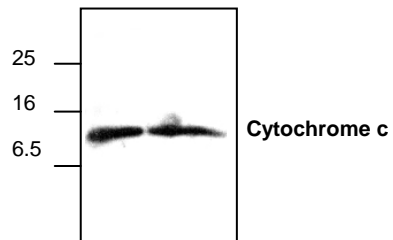
Cytochrome c (m.w. 12,500) is an electron transport protein from mitochondria. It is released from mitochondria to cytoplasm during the early stages of apoptosis, prior to caspase activation, DNA fragmentation, and loss of membrane potential. The cytoplasmic cytochrome c is associated with Apaf-1 and caspase-9 to activate caspase-3 and other caspases.

SPECIFICITY:

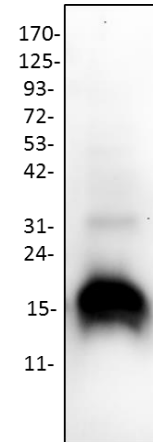
The cytochrome c antibody detects the 12.6 kDa cytochrome c from human, mouse, and rat samples. Jurkat cell lysate, NIH3T3 cell lysate, and rat kidney tissue lysate can be used as positive controls. Blocking peptide is also available separately (Cat.# 3025BP-50).

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml) and immunoprecipitation (10-20 µg/ml). However, the optimal conditions should be determined individually.



Western blot analysis of cytochrome c in Jurkat (left lane) and 3T3 (right lane) cell lysates.



Western blot analysis of cytochrome c in rat kidney cell lysates

RELATED PRODUCTS:

- Cytochrome c (Cat. No. 2120-120, -100)
- Cytochrome c Antibody (Cat. No. 3052-100)
- Cytochrome c Antibody (Cat. No. 3053-100)
- Cytochrome c Antibody (Clone 7H8.2C12) (Cat. No. 3026-100)
- Cytochrome c Apoptosis Assay Kit (Cat. No. K257-100)
- Cytochrome c Blocking Peptide Cat. No. 3025BP-50

FOR RESEARCH USE ONLY! Not to be used on humans.