Cytochrome c monoclonal antibody (7H8.2C12)

Cytochrome c is an electron transport protein from mitochondria. A primary means of caspase activation by p53 is through induction of cytochrome c release from mitochondria. Cleavage of Bid, a Bcl 2 family member, by caspase-8 produces a truncated tBid molecule which triggers mitochondria release of cytochrome c which binds to the adaptor protein Apaf-1 and procaspase-9 to form a cytosolic apoptosome complex. This event results in activation of procaspase-9 and its subsequent cleavage and activation of caspase-3 leading to the degradation of a series of cellular substrates and subsequently cell death.

This antibody is covered by our Worry-Free Guarantee.

Citations: 1 View Online »

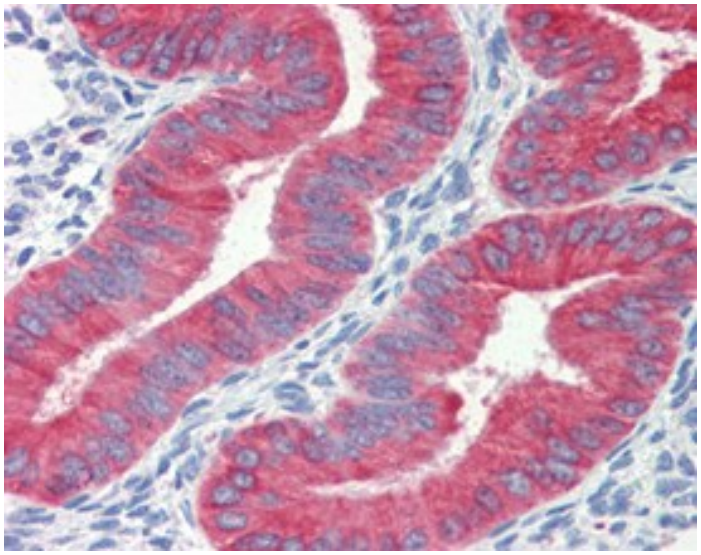
Ordering Information

Order Online »

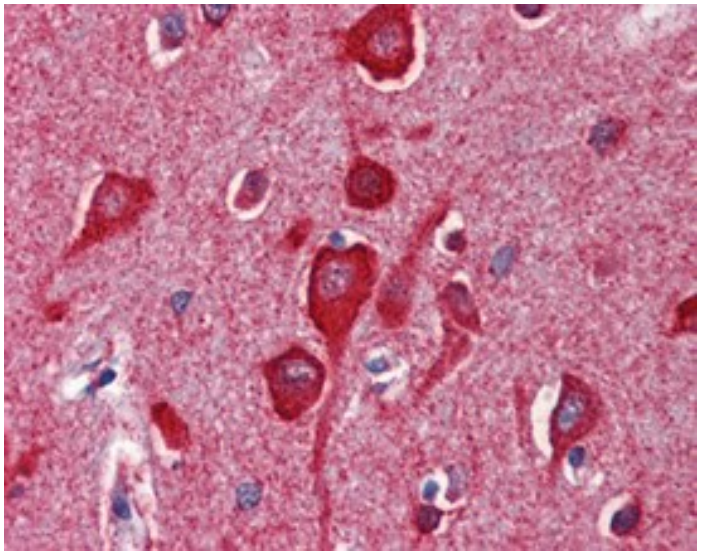
ADI-AAM-175-E	100µg

Manuals, SDS & CofA

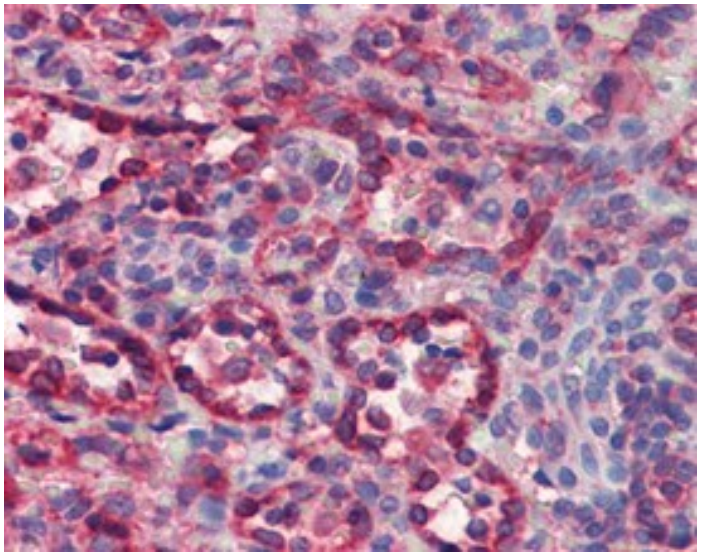
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IHC Analysis: Human uterus tissue stained with Cytochrome c, mAb (7H8.2C12) at 5µg/ml.



IHC Analysis: Human brain, cortex tissue stained with Cytochrome c, mAb (7H8.2C12) at 5µg/ml.



IHC Analysis: Human spleen tissue stained with Cytochrome c, mAb (7H8.2C12) at 5µg/ml.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Cyt c
Application	IHC (PS), WB
Application Notes	Detects a band of ~14kDa by Western blot.
Clone	7H8.2C12
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
Host	Mouse
Immunogen	Horse Cytochrome c .
Isotype	IgG2b
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from mouse ascites.
Species Reactivity	Bovine, Guinea pig, Hamster, Human, Monkey, Mouse, Rabbit, Rat, Sheep
UniProt ID	P00004

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