

Cytochrome C Monoclonal Antibody (6H2.B4)

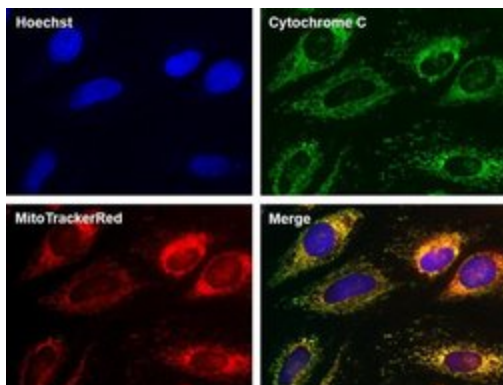
Product Details	
Size	100 µg
Species Reactivity	Fruit fly, Human, Mouse, Rabbit, Rat
Published Species	Human, Mouse, Chicken
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	6H2.B4
Conjugate	Unconjugated
Immunogen	Rat Cytochrome C.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2533141

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.1-1 µg/mL	-
Immunocytochemistry (ICC)	5-20 µg/mL	2 Publications
Immunofluorescence (IF)	5-20 µg/mL	4 Publications
Immunoprecipitation (IP)	15 µg	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication
Western Blot (WB)	-	2 Publications

Product Specific Information

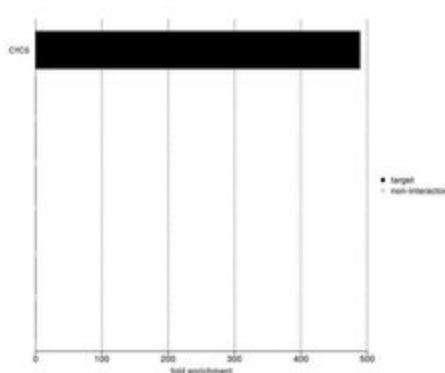
This antibody reacts with native Cytochrome C, but does not recognize denatured cytochrome C. The antibody recognizes a region in the vicinity of amino acid 62 of rat Cytochrome C.

Advanced Verification Data



Cytochrome C Antibody (33-8200)

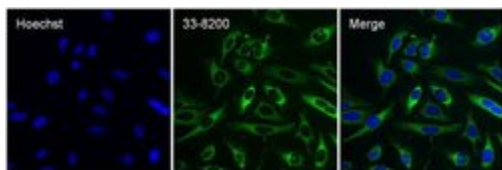
The specificity of anti-Cytochrome C monoclonal antibody (Product # 33-8200) was demonstrated by the immunofluorescence detection of cytochrome C (green) co-localization with mitochondria stained with MitoTracker® Red CMXRos (Product # M7512) in HeLa cells. Orthogonal method validation info.



Cytochrome C Antibody (33-8200)

IP-MS enrichment of CYCS (LFQ intensity): CYCS was enriched 489-fold from MCF7 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CYCS antibody (Product # 33-8200). See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For Cytochrome C Monoclonal Antibody (6H2.B4)



Cytochrome C Antibody (33-8200) in IF

Immunofluorescent analysis of Cytochrome C (green) in HeLa cells. The cells were fixed with 4% Paraformaldehyde in PBS for 15 minutes and blocked with 3% BSA in PBS for 30 minutes at room temperature. Cells were stained with a Cytochrome C mouse monoclonal antibody (Product # 33-8200) at a dilution of 5 µg/mL in blocking buffer for 1 hour at room temperature, and then incubated with a Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:1000 for 1 hour at room temperature. Nuclei (blue) were stained with Hoechst Dye (Product # 62249). Images were taken at 20X magnification on a Thermo Scientific ToxInsight HCS imaging instrument.

View more figures on thermofisher.com

11 References

Immunocytochemistry (2)

The FEBS journal

Degradation of altered mitochondria by autophagy is impaired in Lafora disease.

"33-8200 was used in Immunocytochemistry-immunofluorescence to show the autophagic degradation of altered mitochondria is impaired in LD, which is due to a partial defect in the autophagic response and not in the canonical mitophagy signalling pathways."

Authors: Lahuerta M,Aguado C,Sánchez-Martín P,Sanz P,Knecht E

Species
Human

Dilution
1:300

Year
2018

Nature communications

Actomyosin drives cancer cell nuclear dysmorphia and threatens genome stability.

"33-8200 was used in Immunocytochemistry-immunofluorescence to identify two subunits of the myosin phosphatase complex as proteins that safeguard nuclear integrity."

Authors: Takaki T,Montagner M,Serres MP,Le Berre M,Russell M,Collinson L,Szuhai K,Howell M,Boulton SJ,Sahai E, Petronczki M

Species
Human

Dilution
1:25

Year
2017

Immunofluorescence (4)

The FEBS journal

Degradation of altered mitochondria by autophagy is impaired in Lafora disease.

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Species
Human

Dilution
1:25

Year
2017

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WB (2)

IHC (1)

Misc (1)

IHC (Free) (1)

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