

Loading Control Antibody Sampler Kit (Mouse)

Cat# AK0184

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

Housekeeping proteins perform numerous basic functions within the cell and are constitutively expressed at high levels in a variety of tissues and cell types. Western blot analysis commonly uses housekeeping proteins such as β -actin, COX IV, GAPDH, histone H3 and the α - and β -tubulins as loading controls. Actin is a ubiquitous protein and a major component of the eukaryotic cytoskeleton. Actin exists mainly as the F-actin fibrous polymer. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. Recent work has demonstrated that GAPDH plays roles in apoptosis, gene expression, and nuclear transport. Globular tubulin subunits made up of α - and β -tubulin heterodimers are the building blocks of microtubules, one of three types of cytosolic fibers that comprise the cytoskeleton. Histone proteins, including histone H3, make up the primary building block of chromatin known as nucleosomes. Modulation of the chromatin structure plays an important role in the regulation of transcription in eukaryotes. Cytochrome c oxidase (COX) is a hetero-oligomeric enzyme consisting of 13 subunits localized to the inner mitochondrial membrane. It is the terminal enzyme complex in the respiratory chain, catalyzing the reduction of protons across the mitochondrial inner membrane to drive ATP synthesis.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A330106	beta actin Monoclonal Antibody	20 μ L	WB, IHC	Human, Mouse, Rat, Monkey, Chicken, Dog, Hamster, Rabbit, Insect	Mouse
A330108	beta Tubulin Monoclonal Antibody	20 μ L	WB, IHC	Human, Mouse, Rat, Monkey, Chicken,	Mouse

				Dog, Hamster, Rabbit, Sheep, Insect, Yeast	
A330109	alpha Tubulin Monoclonal Antibody	20μL	WB, IHC, IP	Human, Mouse, Rat	Mouse
A330113	Histone H3 Monoclonal Antibody	20μL	WB, IF, IP	Human, Mouse, Rat, Yeast	Mouse
A330107	GAPDH Monoclonal Antibody	20μL	WB, IHC	Human, Mouse, Rat, Monkey, Cow, Dog, Hamster, Pig, Rabbit, Sheep, Insect, Yeast	Mouse
A330110	Lamin B1 Monoclonal Antibody	20μL	WB, IP	Human, Mouse, Rat	Mouse
A1012s	Goat Anti-Mouse IgG (H+L) (peroxidase/HRP conjugated)	120μL	WB, ELISA	Mouse	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.