

Cytoskeletal Marker Antibody Sampler Kit

Cat# AK0144

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

PRODUCT DESCRIPTION

The cytoskeleton consists of three different types of cytosolic fibers: microtubules, microfilaments (actin) and intermediate filaments. Actin, a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. At least six isoforms are known in mammals. Nonmuscle β - and γ -actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility. Major types of intermediate filaments are distinguished in part by the tissue in which they are expressed, for example; cytokeratins (epithelial cells), vimentin (mesenchyme origin), and desmin (skeletal, visceral and certain vascular smooth muscle cells). Keratin heterodimers composed of an acidic keratin (or type I keratin, keratins 9 to 23) and a basic keratin (or type II keratin, keratins 1 to 8) assemble to form intermediate filaments. Research studies have demonstrated that vimentin is present in sarcomas, but not carcinomas, and its expression is examined relative to other markers in order to distinguish between the two forms of neoplasm. Desmin is a myogenic marker expressed in early development that forms a network of filaments that extends across the myofibril and surrounds Z discs. α / β -tubulin heterodimers form the tubulin subunit that comprises the microtubule building block.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340500	Desmin Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human, Mouse, Rat	Rabbit
A330116	CK-17 Monoclonal Antibody	20 μ L	WB, IP	Human	Mouse
A340173	beta Tubulin Polyclonal Antibody	20 μ L	WB	Human, Mouse, Rat	Rabbit
A340700	Vimentin Polyclonal Antibody	20 μ L	WB, IHC, IF, ELISA	Human	Rabbit
A340171	beta actin Polyclonal Antibody	20 μ L	WB, IHC	Human, Mouse, Rat, Monkey, Chicken, Rabbit, Sheep, Xenopus	Rabbit

A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120μL	WB, ELISA	Rabbit	Goat
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.