

Op18 (phospho Ser38) Polyclonal Antibody

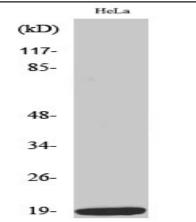
Catalog No :	YP0199	
Reactivity :	Human;Mouse;Rat;Monkey	
Applications :	WB;IHC;IF;ELISA	
Target :	Op18	
Fields :	>>MAPK signaling pathway;>>MicroRNAs in cancer	
Gene Name :	STMN1	
Protein Name :	Stathmin	
Human Gene Id :	3925	
Human Swiss Prot	P16949	
No : Mouse Gene Id :	16765	
Mouse Swiss Prot	P54227	
No : Rat Gene Id :	29332	
Rat Swiss Prot No :	P13668	
Immunogen :	The antiserum was produced against synthesized peptide derived from human Stathmin 1 around the phosphorylation site of Ser37. AA range:5-54	
Specificity :	Phospho-Op18 (S38) Polyclonal Antibody detects endogenous levels of Op18 protein only when phosphorylated at S38.	
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.	
Source :	Polyclonal, Rabbit, IgG	
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000 IF 1:50-200	



Durification :	The antibady was affinity purified from rabbit anticarum by affinity	
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-	
	chromatography using epitope-specific immunogen.	
Concentration :	1 mg/ml	
Concontration		
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)	
Observed Devel	1040	
Observed Band :	18kD	
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;	
centratinay.		
Background :	This gene belongs to the stathmin family of genes. It encodes a ubiquitous	
-	cytosolic phosphoprotein proposed to function as an intracellular relay integrating	
	regulatory signals of the cellular environment. The encoded protein is involved in	
	the regulation of the microtubule filament system by destabilizing microtubules. It	
	prevents assembly and promotes disassembly of microtubules. Multiple transcript	
	variants encoding different isoforms have been found for this gene. [provided by	
	RefSeq, Feb 2009],	
Function :	disease:Present in much greater abundance in cells from patients with acute	
i unotion .	leukemia of different subtypes than in normal peripheral blood lymphocytes, non-	
	leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients	
	with chronic lymphoid or myeloid leukemia.,function:Involved in the regulation of	
	the microtubule (MT) filament system by destabilizing microtubules. Prevents	
	assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16	
	may be required for axon formation during neurogenesis. Involved in the control of	
	the learned and innate fear.,PTM:Many different phosphorylated forms are	
	observed depending on specific combinations among the sites which can be	
	phosphorylated. MAPK is responsible for the phosphorylation of stathmin in	
	response to NGF. Phosphorylation at Ser-16 seems to be required for neuron	
	polarization (By similarity). Phosphorylation at	
	polarization (by similarity). Thosphorylation at	
Subcellular	Cytoplasm, cytoskeleton.	
Location :		
Expression :	Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and	
	cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is	
	intermediate in colon, ovary, placenta, uterus, and trachea, and is readily	
	detected at substantially lower levels in all other tissues examined. Lowest	
	expression is found in adult liver. Present in much greater abundance in cells from	
	patients with acute leukemia of different subtypes than in normal peripheral blood	
	lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or	
	cells from patients with chronic lymphoid or myeloid leukemia.	

Products Images

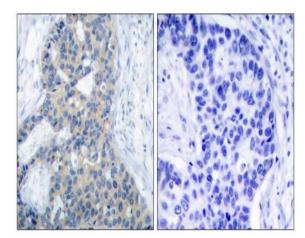




Western Blot analysis of various cells using Phospho-Op18 (S38) Polyclonal Antibody

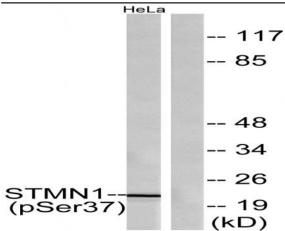
0.800	0.747			
0.700				
0.600				
0.500				
0.400				
0.300				
0.200				
0.100		0.081		
0.000				
phosphopeptide non-phosphopeptide				
OD 450nm Reading				

Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Stathmin 1 (Phospho-Ser37) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Stathmin 1 (Phospho-Ser37) Antibody. The picture on the right is blocked with the phospho peptide.





Western blot analysis of lysates from HeLa cells treated with nocodazole, using Stathmin 1 (Phospho-Ser37) Antibody. The lane on the right is blocked with the phospho peptide.