



Anti-PIM2 monoclonal antibody, clone 0B6 (DCABH-734)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to PIM2
Antigen Description	Promotes cell survival in response to a variety of proliferative signals via positive regulation of the I-kappaB kinase/NF-kappaB cascade; this process requires phosphorylation of MAP3K8/COT. Prevents apoptosis induced by growth factor withdrawal via inhibition of caspase-3 activation, and via phosphorylation of pro-apoptotic proteins. Inhibits BAD-induced cell death via phosphorylation of BAD. PIM2-mediated cell survival is glucose-dependent but independent of several AKT regulators such as PI3K, HSP-90 and TOR, indicating that PIM2 and PI3K/AKT/TOR function via distinct pathways. Involved in the positive regulation of chondrocyte survival and autophagy in the epiphyseal growth plate.
Immunogen	Recombinant full length Human PIM2 produced in HEK293T cells (NP_006866).
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Dog, Human
Clone	0B6
Purification	This antibody is purified from Mouse ascites fluid by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, IHC-P, Flow Cyt, ICC/IF
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY PIM2 cDNA; HepG2, HeLa, HT29, A549, Jurakt, MDCK, and MCF7 cell extracts; Human colon, liver, and prostate tissues; COS7 cells transiently transfected by pCMV6-ENTRY PIM2, HeLa and Jurkat cells.

Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	PIM2 pim-2 oncogene [Homo sapiens]
Official Symbol	PIM2
Synonyms	PIM2; pim-2 oncogene; serine/threonine-protein kinase pim-2; pim-2h; serine/threonine protein kinase pim-2; proto-oncogene Pim-2 (serine threonine kinase);
Entrez Gene ID	11040
Protein Refseq	NP_006866
UniProt ID	A0A024QYW7
Chromosome Location	Xp11.23
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem;
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity;