Applications:

Reactivity:

Sensitivity:

Ikaros (D10E5) Rabbit mAb Image: Cell Signaling Signal.com 0rders: 877-616-CELL (2355) orders@cellsignal.com Support: Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

MW (kDa):

Source/Isotype:

UniProt ID:

Entrez-Gene Id:

W, IF-IC, FC-FP, H ChIP, C&R, C&T	Endogenous	50-70	Rabbit IgG	#Q13422	10320	
Product Usage Information	For optimal ChIP results, use 10 μl of antibody and 10 μg of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.					
	The CUT&RUN dilution was determined using CUT&RUN Assay Kit #86652.					
	The CUT&Tag dilution Application Western Blotting	was determined us	sing CUT&Tag Assay Kit #		ition 000	
	Immunofluorescence	(Immunocytochem	iistry)	1:10	00 - 1:400	
	Flow Cytometry (Fixed	d/Permeabilized)		1:20	00	
	Chromatin IP			1:50		
	CUT&RUN			1:50		
	CUT&Tag			1:50)	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
	For a carrier free (BSA and azide free) version of this product see product #76701.					
Specificity/Sensitivity	Ikaros (D10E5) Rabbit mAb recognizes endogenous levels of total Ikaros protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg439 of human Ikaros protein.					
Background	The Ikaros family of zinc-finger DNA-binding proteins belongs to the Kruppel transcription factor superfamily. Ikaros proteins are characterized by the presence of an amino-terminal zinc finger DNA-binding domain and a carboxy-terminal dimerization domain. Members of the Ikaros family include Ikaros, Aiolos, Helios, EOS, and Pegasus (1). All family members can form homodimers and heterodimers with other members of the Ikaros family. Most also contain multiple isoforms that are generated as a result of differential splicing, with some isoforms behaving in a dominant negative manner upon dimerization (2).					
	abundantly in lympho that is important for t studies show that imb	id cells. Genetic stu he normal develop palanced expressior	aros family zinc-finger tr idies in mice demonstra ment of B, T, natural kille n of different Ikaros isofo ociated with a number of	te that Ikaros is a tur er, and dendritic cells orms, as well as mut	mor suppressor s (3,4). Additional ations in the	
Background References	3. Georgopoulos, K. e	mitt, C. (2003) <i>Imm</i> t al. (1997) <i>Annu Re</i> J, A. et al. (1998) <i>Sei</i> 002) <i>Leuk Lymphor</i>	<i>unol Cell Biol</i> 81, 171-5. <i>v Immunol</i> 15, 155-76. <i>min Immunol</i> 10, 119-25 <i>na</i> 43, 29-35.			
Species Reactivity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g., v	western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					

Applications Key	W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP C&R: CUT&RUN C&T: CUT&Tag		
Cross-Reactivity Key	H: Human		
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