3/23/24, 11:08 AM Revision 1

Phospho-p4 Antibody	0phox (Thr154)		Orders: Support:	BT7-616-CELL (2355 orders@cellsignal.cor 877-678-TECH (8324	
43			Web:	info@cellsignal.cor cellsignal.cor	
#		3 Trask	Lane Danvers Ma	ssachusetts 01923 US	
-	for Use in Diagnostic Procedures.		Lin: Dred ID.	Future Concelde	
	activity: Sensitivity: MW (kD I M GP Endogenous 40	a): Source: Rabbit	UniProt ID: #Q15080	Entrez-Gene Id: 4689	
Product Usage	Application		Dilution		
Information	Western Blotting		1:1000		
Storage	Supplied in 10 mM sodium HEPES 20°C. Do not aliquot the antibody.	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.			
Specificity / Sensitivit		Phospho-p40phox (Thr154) Antibody detects endogenous levels of p40phox only when phosphorylated at threonine 154. This antibody does not cross-react with other phosphorylated phox subunits.			
Source / Purification	, , ,	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr154 of human p40phox. Antibodies are purified by protein A and peptide affinity chromatography.			
Background	The phagocytic NADPH oxidase is a superoxide in response to invasion the membrane-bound p91phox and cytoplasmic complex of p40phox, p- NADPH oxidase is initiated by phos changes of the complex and ultimat membrane to form an active enzym been identified as PKC phosphoryla (2).	of pathogens into the body. p22phox heterodimer (also 47phox and p67phox, and ti phorylation of the cytosolic ely leads to the translocatio e with cytochrome b558 (1)	The NADPH oxidase known as cytochrom he small GTPase Rac complex, which induc on of the cytoplasmic . Thr154 and Ser315	e consists of 6 subunits, ne b558), the c2. Activation of ces comformational complex to the of p40 phox have	
Background Referenc	es 1. Babior, B.M. (1999) <i>Blood</i> 93, 144 2. Bouin, A.P. et al. (1998) <i>J Biol Ch</i>				
Species Reactivity	Species reactivity is determined by te	esting in at least one approv	ved application (e.g.,	western blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB: Western Blotting				
Cross-Reactivity Key	X: Xenopus Z: zebrafish B: bovine D	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected			
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Phospho-p40phox (Thr154) Antibody (#4311) Datasheet Without Images Cell Signaling Technology

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