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태종 IL-6 (D5W4V) XP[®] Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP, IF-IC, FC-FP	Reactivity : M	Sensitivity: Endogenous	MW (kDa): 24	Source/Isotype: Rabbit IgG	UniProt ID: #P08505	Entrez-Gene Id: 16193		
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem	Dilution 1:1000 1:100 1:200 - 1:400 1:400				
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 #65145.						
Specificity/Sen	sitivity	IL-6 (D5W4V) XP [®] Rabbit mAb recognizes endogenous levels of total IL-6 protein. Non-specific labeling may be observed by immunofluorescence in fixed-frozen tissues such as tubules of kidney and exocrine cells of pancreas.						
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with recombinant mouse IL-6 protein.						
Background		Acute phase response is induced by interleukin-6 (IL-6) produced by T cells, macrophages, fibroblasts, endothelial and other cells (1,2). IL-6 induces proliferation or differentiation in many cell types including B cells, thymocytes and T cells. IL-6, in concert with TGF- β , is important for developing Th17 responses. IL-6 binds to IL-6R α and through this association induces gp130 homodimerization (1). gp130 homodimerization triggers the Jak/Stat cascade and the SHP-2/Erk MAP kinase cascade (1,3,4). IL-6 also forms a complex with an IL-6R α splice variant that is non-membrane-associated (3). The IL-6/soluble IL- 6R α complex can then activate the gp130 signaling pathway in cells that express gp130 but not IL-6R α (3). Research studies have shown that IL-6, through increasing expression of proangiogenic VEGF, may also contribute to metastatic breast cancer (5).						
Background Re	eferences	1. Heinrich, P.C. et al. (1998) <i>Biochem J</i> 334 (Pt 2), 297-314. 2. Heinrich, P.C. et al. (1998) <i>Z Ernahrungswiss</i> 37 Suppl 1, 43-9. 3. Jones, S.A. (2005) <i>J Immunol</i> 175, 3463-8. 4. Jenkins, B.J. et al. (2004) <i>Mol Cell Biol</i> 24, 1453-63. 5. Hong, D.S. et al. (2007) <i>Cancer</i> 110, 1911-28.						
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot B	uffer	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 K	еу	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC- FP: Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivit	су Кеу	M: Mouse						
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