

4594

Stat2 Antibody



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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 113	Source/Isotype: Rabbit	UniProt ID: #P52630	Entrez-Gene Id: 6773
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		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/Sensitivity		Stat2 Antibody detects endogenous levels of total Stat2 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxyl terminus of human Stat2. Antibodies were purified by protein A and peptide affinity chromatography.				
Stat2 (113 kDa), originally purified from the nuclei of alpha-interferon-treated transcriptional responses induced by type I interferons, IFN-alpha/beta (1,2). targeted disruption of Stat2 have higher susceptibility to viral infection and a interferons (3). Stat2 is rapidly activated by phosphorylation at Tyr690 in resp IFN-alpha/beta via associations with receptor-bound Jak kinases (4). Unlike of does not form homodimers. Instead, activated Stat2 forms a heterodimer with to the nucleus. There, it associates with the DNA-binding protein p48 and for activator complex, interferon-stimulated gene factor 3 (ISGF3), promoting transfer						out mice with a esponses to type I o stimulation by t proteins, Stat2 and translocates transcriptional
Background Re	eferences	 Fu, X.Y. et al. (1992) Proc Natl Acad Sci U S A 89, 7840-3. Ihle, J.N. (2001) Curr Opin Cell Biol 13, 211-7. Park, C. et al. (2000) Immunity 13, 795-804. Improta, T. et al. (1994) Proc Natl Acad Sci U S A 91, 4776-80. Horvath, C.M. et al. (1996) Mol Cell Biol 16, 6957-64. 				
Species Beastin	-14	Consider woneth dender	otorpoipod by to -ti	g in at least one approve	ad application /	western blot

Species Reactivity

Species reactivity is determined by testing in at least one approved 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 W: Western Blotting

Cross-Reactivity Key H: Human

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more information.

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