

#2320 Store at -20°C

AP-2γ Antibody



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

Applications: WB, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 49	Source: Rabbit	UniProt ID: #Q92754	Entrez-Gene Id: 7022
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Product Usage Information	Application Western Blotting Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:400 - 1:1600
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	AP-2γ Antibody detects endogenous levels of total AP-2γ protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human AP-2γ. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Activator protein 2γ (AP-2γ) is a member of the developmentally-regulated transcription factor activator protein 2 family (1). Overexpression of p53 in human breast cancer cells increases AP-2γ mRNA and protein (2). In addition, p53 binds to the AP-2γ promoter, suggesting that AP-2γ is a target of p53. AP-2γ therefore may contribute to p53-mediated growth inhibition (2). Studies also found that AP-2γ increases p21 mRNA and protein levels and induces cell-cycle arrest in G1 phase (3). Overexpression of AP-2γ inhibits the growth of human breast cancer cells (3). Taken together, these findings suggest that AP-2γ functions as a tumor suppressor (3).	
Background References	1. Hasleton, M.D. et al. (2003) <i>Biochem. J.</i> 373, 925-932. 2. Li, H. et al. (2006) <i>Oncogene</i> 25, 5405-5415. 3. Li, H. et al. (2006) <i>Neoplasia</i> 8, 568-577.	

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	WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	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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