

AP-2 β Antibody

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, IF-IC	H M R	Endogenous	49	Rabbit	#Q92481	7021
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
	Immunoprecipitation					1:100
	Immunofluorescence (Immunocytochemistry)					1:100
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	AP-2 β Antibody detects endogenous levels of total AP-2 β protein.					
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human AP-2 β . Antibodies are purified by protein A and peptide affinity chromatography.					
Background	The sequence-specific transcription factor activator protein 2 β (AP-2 β) is required for normal kidney development (1). AP-2 β knockout mice die 1-2 days after birth due to polycystic kidney disease (1). Massive apoptosis occurred during kidney development at the end of embryogenesis in these mice (1). Overexpressed AP-2 β has been found to suppress c-myc-induced apoptosis, indicating a role of this transcription factor in cell survival (1). In addition, overexpression of AP-2 β is shown to be related to impaired insulin signaling in adipocytes, and is therefore proposed to be a candidate gene that may relate to obesity (2).					
Background References	1. Moser, M. et al. (1997) <i>Genes Dev.</i> 11, 1938-1148. 2. Tao, Y. et al. (2006) <i>Endocrinology</i> 147, 1685-1696.					

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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