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anti-PEBP1 antibody (N-Term)

3 Images



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Overview			
Quantity:	100 μg		
Target:	PEBP1		
Binding Specificity:	N-Term		
Reactivity:	Mouse, Rat		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This PEBP1 antibody is un-conjugated		
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))		
Product Details			
Immunogen:	An amino acid sequence from the N-terminus of mouse PBP (QEVDEPPQHALRVDY) was used		
	as the immunogen for this PBP antibody (100% rat homology).		
Isotype:	IgG		
Purification:	Antigen affinity		
Target Details			
Target:	PEBP1		
Alternative Name:	PBP (PEBP1 Products)		
Background:	Phosphatidylethanolamine-binding protein inhibits the phosphorylation and activation of MEK		
	by RAF1. PBP coimmunoprecipitates with RAF1 and MEK from cell lysates and colocalizes with		
	RAF1 when examined by confocal microscopy. Overexpression interferes with the activation of		

MEK and ERK, induction of AP1-dependent reporter genes, and transformation elicited by an oncogenically activated RAF1 kinase. PBP expression was rapidly upregulated during induction of chemotherapy-triggered apoptosis in human prostate and breast cancer cell lines, and maximal expression correlated perfectly with the onset of apoptosis by Chatterjee et al(2004). Depletion of the protein decreased the mitotic index, the number of metaphase cells, traversal times from nuclear envelope breakdown to anaphase, and an override of mitotic checkpoints induced by spindle poisons.

UniProt:

P70296

Pathways:

Feeding Behaviour

Application Details

Application Notes:

The stated application concentrations are suggested starting amounts. Titration of the PBP antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: $0.5-1 \mu g/mL$, IHC (Paraffin): $0.5-1 \mu g/mL$

Restrictions:

For Research Use only

Handling

Buffer:

0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

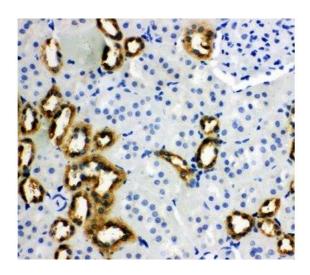
Storage:

-20 °C

Storage Comment:

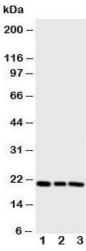
After reconstitution, the PBP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

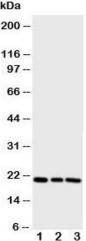
Images

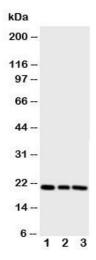


Immunohistochemistry

Image 1. IHC-P: PBP antibody testing of rat kidney tissue







Western Blotting

Image 2. Western blot testing of PBP antibody and Lane 1: rat brain; 2: (r) lung; 3: (r) liver

Western Blotting

Image 3. Western blot testing of PBP antibody and Lane 1: rat brain