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anti-SPP2 antibody (AA 55-160) (Cy5)



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Quantity:	100 μL	
Target:	SPP2	
Binding Specificity:	AA 55-160	
Reactivity:	Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SPP2 antibody is conjugated to Cy5	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SPP24/SPP2	
Isotype:	IgG	
Cross-Reactivity:	Rat	
Predicted Reactivity:	Human	
Purification:	Purified by Protein A.	

Target Details

Target:	SPP2
Alternative Name:	SPP24 (SPP2 Products)

Target Details		
Background:	Synonyms: SPP24, SPP-24, Secreted phosphoprotein 24, Secreted phosphoprotein 2, SPP2	
	Background: SPP24, also known as secreted phosphoprotein 2, is a 211 amino acid secreted	
	protein that belongs to the cystatin superfamily. Expressed in liver and plasma, SPP24 may play	
	a role in coordinating an aspect of bone turnover. The gene that encodes SPP24 maps to	
	human chromosome 2, which consists of 237 million bases encoding over 1,400 genes, making	
	up approximately 8 % of the human genome. A number of genetic diseases are linked to genes	
	on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with	
	mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with	
	ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr syndrome is due to	
	mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a	
	vestigial second centromere and vestigial telomeres which gives credence to the hypothesis	
	that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes	
	seen in modern form today in apes.	
Gene ID:	6694	
UniProt:	Q13103	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	

Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

50 % Glycerol.

handled by trained staff only.

ProClin

-20 °C

Preservative:

Storage:

Precaution of Use:

Storage Comment:

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Expiry Date:

12 months