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## anti-SPP2 antibody (AA 55-160) (Cy5.5)



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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 Cy5.5	
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**

rarget 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
	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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

handled by trained staff only.

-20 °C

Storage:

Storage Comment:

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Expiry Date:

12 months