

SMYD5 Polyclonal Antibody

Catalog NumberPA5-13217

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 341-371 amino acids from the C-terminal region of human SMYD5 (RAI15)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2 mg/mL		
Purification	Ammonium sulfate precipitation, Size-exclusion - Dialysis		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

Retinoic acid (RA) represents the oxidized form of vitamin A and, via interactions with retinoic acid receptors (RARs), plays a crucial role in development, cellular growth and differentiation. The gene encoding RAI15 maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Additionally, an extremely rare recessive genetic disorder, Alström syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

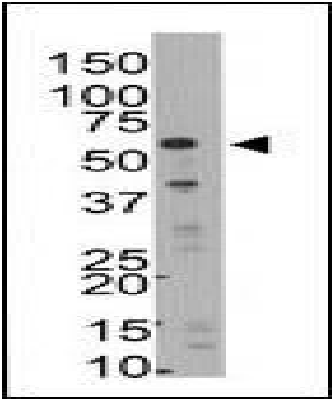
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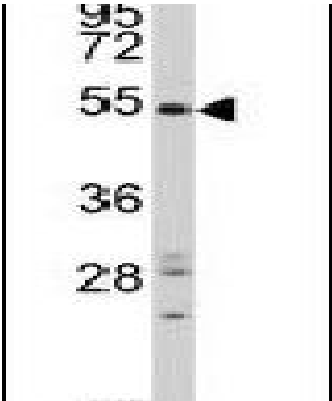
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Product Images For SMYD5 Polyclonal Antibody



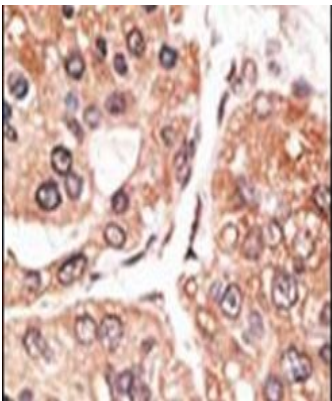
SMYD5 Antibody (PA5-13217) in WB

Western blot analysis of SMYD5 using a SMYD5 polyclonal antibody (Product # PA5-13217) in mouse liver tissue lysate.



SMYD5 Antibody (PA5-13217) in WB

Western blot analysis using a SMYD5 polyclonal antibody (Product # PA5-13217) in Jurkat cell lysates (35 µg per lane).



SMYD5 Antibody (PA5-13217) in IHC (P)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cancer tissue using a SMYD5 polyclonal antibody (Product # PA5-13217), followed by HRP-conjugated secondary antibody and DAB staining.

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