

产品名称: pHyde Rabbit Polyclonal Antibody
产品货号: AP Rab16089



产品概述 (Summary)

产品名称 (Production Name)	pHyde Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	STEAP3 STEAP3; TSAP6; Metalloreductase STEAP3; Dudulin-2; Six-transmembrane epithelial antigen of prostate 3; Tumor suppressor-activated pathway protein 6; hTSAP6; pHyde; hpHyde
别名 (Alternative Names)	
基因 ID (Gene ID)	55240.0
蛋白 ID (SwissProt ID)	Q658P3.The antiserum was produced against synthesized peptide derived from human STEA3. AA range:421-470

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	54kDa

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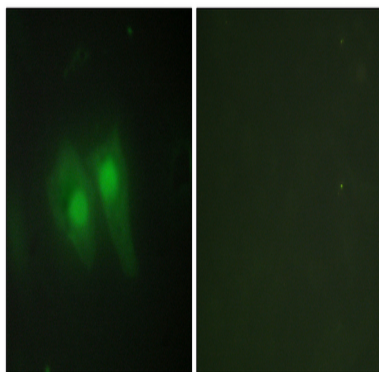
研究背景 (Background)

STEAP3 metalloreductase(STEAP3) Homo sapiens This gene encodes a multipass membrane protein that functions as an iron transporter. The encoded protein can reduce both iron (Fe^{3+}) and copper (Cu^{2+}) cations. This protein may mediate downstream responses to p53, including promoting apoptosis. Deficiency in this gene can cause anemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015], caution: Was initially thought to have tumor suppressor function in prostate cancer. However, it was shown that it is probably not the case (PubMed:12866033), cofactor: FAD, function: Endosomal ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Participates in erythroid iron homeostasis by reducing Fe^{3+} to Fe^{2+} . Can also reduce of Cu^{2+} to Cu^{1+} , suggesting that it participates in copper homeostasis. Uses NAD^{+} as acceptor (By similarity). May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP, induction: By p53/TP53, similarity: Belongs to the STEAP family, similarity: Contains 1 ferric oxidoreductase domain, subcellular location: Localizes to vesicular-like structures at the plasma membrane and around the nucleus, subunit: Interacts with BNIP3L, MYT1 and TCTP, tissue specificity: Expressed in adult bone marrow, placenta, liver, skeletal muscle and pancreas. Down-regulated in hepatocellular carcinoma,

研究领域 (Research Area)

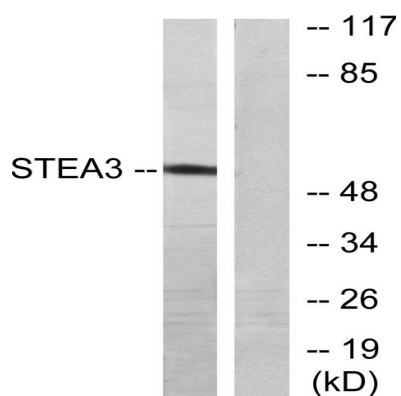
p53;

图片 (Image Data)

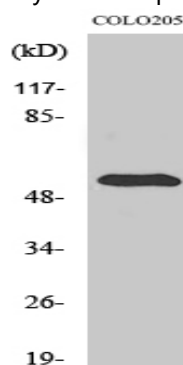


Immunofluorescence analysis of HeLa cells, using STEAP3 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COLO205 cells, using STEA3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using pHyde Polyclonal Antibody

注意事项 (Note)

For research use only .