

Product Data Sheet

P5CS Blocking Peptide

Catalog #	Source	Reactivity	Applications
CBP5729	Synthetic	H, M	BL
Description	The peptide is used to block Anti-P5CS Antibody (#CPA5729) reactivity.		
Form	Lyophilized powder		
Gene Symbol	ALDH18A1		
Alternative Names	GSAS; P5CS; PYCS; Delta-1-pyrroline-5-carboxylate synthase; P5CS; Aldehyde dehydrogenase family 18 member A1		
Entrez Gene	5832 (Human); 56454 (Mouse)		
SwissProt	P54886 (Human); Q9Z110 (Mouse)		
Purity	>85%		
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.		
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.		
Storage/Stability	Shipped at 4°C. Store at -20°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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