

Recombinant Mouse CPA2 Protein

Catalog #	Source	Reactivity	Applications
CRP1331	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse CPA2 Protein is produced by our mammalian expression system and the target gene encoding Gln17-Tyr417 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.		
Gene Symbol	CPA2		
Alternative Names	Carboxypeptidase A2		
Entrez Gene	232680 (Mouse)		
SwissProt	Q504N0 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>QETFVGDQVL EVIPNDEEQI KTLQLEAEE HLELDFWKSP SVPRQTVHVR VPFASIQDVK</p> <p>VFLESQGITY SIMIEDVQVL LDQEREEMLF NQQRERGTNF NFGAYHTLEE IYQEMDNLVA</p> <p>ENPGLVSKVN IGSSFENRPM NVLKFSTGGD KPAIWLDAGI HAREWVTQAT ALWTANKIAS</p> <p>DYGTDPAITS LLNTLDVFLP PVTNPDGYVF SQTSNRMWRK TRSKRSGSFC VGVDPNRRWD</p> <p>ANFGGPGASS NPCSDSYHGP SPNSEVEVKS IVDFIKSHGK VKAFITLHSY SQLLMFPYGY</p> <p>KCAKPDDFNE LDEVAQRAAQ SLKRLHGTSY KVGPICSVIY QASGGSIDWA YDLGIKYSFA</p> <p>FELRDTGYYG FLLPAKQILP TAEETWLGLK TIMEHVRDHP YVDHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

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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Product Data Sheet

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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