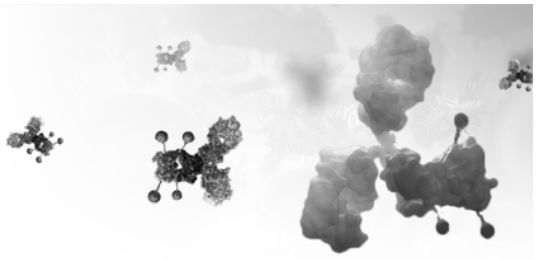

Rabbit Anti-Crotonyllysine Polyclonal Antibody (CABT-Z986R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Anti-crotonyllysine antibody detects proteins which are post-translationally modified with crotonylation at lysine residues, but does not cross-react with the acetylated and unmodified BSA.
Immunogen	Crotonylated BSA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IF, IP, IHC, ChIP
Reconstitution	Please centrifuge the antibody at 12,000 x g for 20 seconds, and then reconstitute it with the antibody stabilizer provided. The stabilizer contains PBS, 50% glycerol, and 0.01% sodium azide.
Format	Lyophilized
Size	100 µl
Buffer	PBS, 50% glycerol, and 0.01% sodium azide.
Preservative	0.01% sodium azide
Storage	Store the antibody at -20°C. Avoid repeated freeze/thaw cycles. Antibody is stable for 12

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	months from date of reconstitution.
Ship	Wet ice

BACKGROUND

Introduction	Lysine crotonylation is a newly-identified histone post-translational modification by integrated proteomic approaches and elaborate biochemistry analyses. It has been shown that lysine crotonylation is an evolutionarily conserved PTM in both prokaryotes and eukaryotes. Both histones and non-histone substrates can be lysine crotonylated. The unique structure and genomic localization of lysine crotonylation suggest that it is mechanistically and functionally different from lysine acetylation. Given its roles discovered in spermatogenesis, lysine crotonylation may play important roles in multiple cellular pathophysiological processes by effecting chromatin structure and PTM pathways.
Keywords	crotonyllysine;Kcr

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