

CAB20502

Product Information

Product SKU:	CAB20502	Gene ID:	-	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	10-250kDa	Conjugate:	Unconjugated
Calculated MW:	-	Isotype:	IgG

Immunogen Information

Background: Lysine crotonylation (Kcr) was first discovered about 10 years ago, as a PTM of histone. It was revealed that Kcr is an evolutionarily conserved and common PTM that occurs in both core histone and some non-histone proteins in a variety of organisms. Similar to other types of PTM, Kcr is a reversible modification. The classic histone acetyltransferases (HATs), p300/CBP, PCAF, and MOF, are responsible for most crotonylation events, while the histone deacetylases (HDACs) HDAC1/2/3 and SIRT1/2/3 reverse these reactions. The chromodomain protein CDYL acts as a crotonyl-CoA hydratase to negatively regulate histone Kcr by reducing substrate supply. CDYL-regulated Kcr of RPA1 plays an important role in homologous recombination (HR)-mediated DNA repair (23), while HDAC-regulated histone crotonylation is reduced after DNA damage.

Recommended Dilution: WB,1:500 - 1:1000

Synonyms: -

Purification Method: Affinity purification

Immunogen: A synthetic peptide corresponding to a sequence containing acetylated K.

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.