Biotin-Rabbit Anti-Rat IgG(H+L)

catalog number: **E-AB-1155**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Rat
Immunogen	Rat IgG
Host	Rabbit
Purification	Affinity purification
Conjugation	Biotin
Buffer	PBS with 0.1% Proclin300, 1% protective protein and 50% glycerol, pH 7.4.

Applications	Recommended Dilution
WB	1:5000-1:10000
IHC	1:250-1:500
ELISA	1:5000-1:10000

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role inb histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B; reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes. Recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator. Mediates the polyubiquitination of isoform 2 of PA2G4 in cancer cells leading to its proteasome-mediated degradation.

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