antibodies - online.com







anti-TRIP12 antibody (AA 991-1023)



Image



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	IV/E	۱//۱۲	$I \cap V$

Overview		
Quantity:	200 μL	
Target:	TRIP12	
Binding Specificity:	AA 991-1023	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TRIP12 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This TRIP12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 991-1023 amino acids from the Central region of human TRIP12.	
Clone:	RB54123	
Isotype:	lg Fraction	
Predicted Reactivity:	B, Zf, M, Rat	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	TRIP12	
Alternative Name:	TRIP12 (TRIP12 Products)	

Target Details

Background:

E3 ubiquitin-protein ligase involved in ubiquitin fusion degradation (UFD) pathway and regulation of DNA repair. Part of the ubiquitin fusion degradation (UFD) pathway, a process that mediates ubiquitination of protein at their N-terminus, regardeless of the presence of lysine residues in target proteins. In normal cells, mediates ubiquitination and degradation of isoform p19ARF/ARF of CDKN2A, a lysine-less tumor suppressor required for p53/TP53 activation under oncogenic stress. In cancer cells, however, isoform p19ARF/ARF and TRIP12 are located in different cell compartments, preventing isoform p19ARF/ARF ubiquitination and degradation. Does not mediate ubiquitination of isoform p16-INK4a of CDKN2A. Also catalyzes ubiquitination of NAE1 and SMARCE1, leading to their degradation. Ubiquitination and degradation of target proteins is regulated by interaction with proteins such as MYC, TRADD or SMARCC1, which disrupt the interaction between TRIP12 and target proteins. Acts as a key regulator of DNA damage response by acting as a suppressor of RNF168, an E3 ubiquitin-protein ligase that promotes accumulation of 'Lys-63'-linked histone H2A and H2AX at DNA damage sites, thereby acting as a guard against excessive spreading of ubiquitinated chromatin at damaged chromosomes.

Molecular Weight: 220434
UniProt: Q14669

Pathways: Nuclear Hormone Receptor Binding

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format:

Buffer:

Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative:

Sodium azide

Precaution of Use:

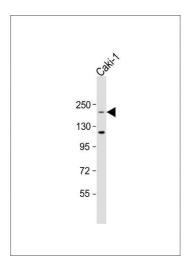
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

4 °C,-20 °C

Expiry Date:

6 months



Western Blotting

Image 1. Anti-TRIP12 Antibody (Center) at 1:2000 dilution + Caki-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 220 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.