

CUL4A antibody

Catalog No: #38477

Package Size: #38477-1 50ul #38477-2 100ul

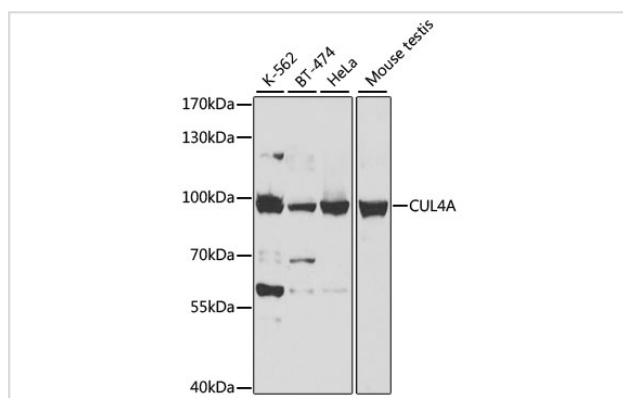
Description

Product Name	CUL4A antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total CUL4A protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human CUL4A.
Conjugates	Unconjugated
Target Name	CUL4A
Accession No.	Swiss-Prot#: Q13619NCBI Gene ID: 8451
SDS-PAGE MW	88kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB 1:500 - 1:2000IF 1:50 - 1:100

Images



Western blot analysis of extracts of various cell lines, using CUL4A at 1:500 dilution.

Background

CUL4A is the ubiquitin ligase component of a multimeric complex involved in the degradation of DNA damage-response proteins. Core component of multiple cullin-RING-based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target

proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. DCX(DET1-COP1) directs ubiquitination of JUN. DCX(DDB2) directs ubiquitination of XPC.

Published Papers

Ye Liuqi;Lin Danlei;Zhang Wen;Chen Shiji;Zhen Yumiao;Akkouche Sara;Liang Xiaoxu;Chong Cheong-Meng;Zhong Hai-Jing; et al., AMBRA1 drives gastric cancer progression through regulation of tumor plasticity, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.